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on 26 June, 2018

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(./0' 1% /02' - .(34255' (6782/0 ' 739' 1% - .(342' .325/' : ; : 5/ : 5 < (54.29(/78 2' 4139 : 4/' 1%' /02' (3 ;=5' 8.1/02. ' 23.)' : >2' 1% : ? 82. 739 < (5' ? 7..(7 ; 2 <' (5' 27/0 < 73925/(32' ? 7..(7 ; 2' 1%' /02' : >2' 1%' 1 : 425/2. < 02' (3 ;' 7%/2.@7.95' .24134(29' /1' /02' : >2' 739' : 40255 < - .(34255' 7.1 (32' 7/(97 ' @(%2' 1%' 0.(5/(73' ' 1%' 23 ? 7. > < (551 : /2 ' 07.74/2.' 1%' /02' 73(50' (3 ; < 1..(45/(4' (3%2 (4(//(25' <' ' 7/' /02' 73(50' 1 : ./ < 73(50 ? 23/' 1%' /02' A : 223 < 2.' .25(92342' (3' BC2 ' 75/ 2 < 2.' 927/0 < 242752' 1%' /01' - .(34255' 1@7 ; 2.' 1%' Ð 7 25' B ' E

0(9.23' 1%' 21. ; 2' < 1 ? 25/(4' G%2' 1%' /02' 1) 7 ' 7 ? ( )' 7/' 2@ < 02' (3 ;=5' 078(/5' 1%' 8 : 5(3255 < 2 ? H2.7342 < - 2.5137 ' 41 : .7 ; 2 < (1 . 7 ' I : 7 (/(25 < (5J /7>25' (3' H1 (/(47 ' H1 (4) < - 27573/. K' 1%' 0(5' ? 7332. < 2352' 1%' 0(5' .2 (; (1 : 5' 18 (; 7/(135 < 25H24/' %1.' (5523/2.5 < 02' - .(? 7/2' .28 : >29 < 73475/2.' 739' - 1H : 7.' 9 : 47/(13 < 02' (3 ; B5' H.1/24/(13' 1%' 7 ; .(4 : /: .2' 739' (/2.7/ : .2 < (5' (3/2.41 : .52' @(/0' 2 ? (323/' (/2.7.)' ? 23 < D (>25' 739' .73> (3' 13' /01' 407.74/2.' 1%' 21. ; 2' LL

7(: .2' 1%' 1.9' 1./0=5'H.1H157 5'%1.'4134((7/(3 ;' /02' 1./0' ? 2.(473' 1 13(5/5 <' .73> (3=5' .2/ : .3' /1' ? 2.(47 < : .>2=5' 134((7/1.)' 251 : /(135' .2G24/29' (3' /02' 1 : 52' 1%' 1 ? ? 135' 8)' 7' 7. ; 1' ? 7G1.(/) < 3%7/ : 7/(13' 1%' /02' .(/(50' (3(5/2.5 < ; (/7/(13' (3' /02' 1 13(25 < 1 (5(13' 7/' 2M(3 ; /13 ' 755740 : J 52//5 <' N 7// 2' 1%' 1341.90 < (575/.1 : 5'.2/.27/' 1%' /02' .(/(50' /1' 15/13' "*

2 : 4/7342' 1%' /02' ? 2.(4735' /1' 8.27>' 1%%' %.1 ?' /02' N' 9' 1 : 3/.)0 < P 02' N' (Q1' .73400' - 2/(/(13' /1' /02' (3 ; < 1' 735@2.' ; (Q23' /1' (/ < 02' 7>2' 1./5' /7>23' 8)' /01' ? 2.(4735 < ((4134((7/1.)' 1)7 ' H2240' 13' 1H23(3 ;' - 7. (7J ? 23/ < D 7. ?' 287/25 < : >2' 1%' .7%/13' .2/(.25' %.1 ?' %%(42 < 1.9' 21. ; 2

2.?7(32' 7HH1(3/29' 24.2/7.)' %1.' ?2.(473' :(.5< H2240' 1%' 9?:39'
:.>2'(3'%7Q1:.'1%' 134((7/(13<N' 1.9' 1./0=5'-.10(8(/1.)' (K'H75529<'
1M=5' 1/(13'%1.' 3I:(.)' 32;7/(Q29' 8)'/02' 1?7135'739'/02' :>2' 1%'
.7%/13=5'H 73'1%' 134((7/(13'.2G24/29'8)'/02' 1.95< 13/.27' 144:H(29'8)'
/02' ?2.(4735< (2;2'1%'A:2824< 02' ?2.(4735'2Q74:7/2' 73797' ' !!+

- ' &&&

2H 1.78 2' 139(/(13'1%'/02' ?2.(473' .?)<32.;)'739'78((/)'1%'D 750(3;/13'
75'7' 1??7392.< 1.4025/2.' 2(;0/5'/7>23'8)'/02' ?2.(4735< 02' .(/(50'
2Q74:7/2' 15/13'@0(40'(5'23/2.29'8)'D 750(3;/13'(3'/.R(:?H0< ..(Q7'1%'
2.?73'/.11H5'0(.29'8)'/02' .(/(50< ?2.(473'N' 24 7.7/(13'1%' 392H239J
2342'O'H:8 (5029'13'/02' 1:./0'1%' :)'!$$*< 134((7/1.)' Q2./:.25'1%'
/02' .(/(50' 1??(55(132.5'.2G24/29'8)'/02' ?2.(4735< 7//%41%' .11>)3<'
.:(/255' 13%2.2342'13' /7/23' 5 739< 2@' 1.>' /7>23'8)' A232.7'
1@2<-2.Q2.52'-1(4)'1%'/02' .(/(50' 1Q2.3?23/<H2240'1%' 1.9' 07/J
07?< (5'?1/(13'%1.' 134((7/(13'.2G24/29'8)'/02' 1:52'1%' 1.95' ' !S*

- ' &&&

.(/(47'H15(/(13'1%'/02' ?2.(473' .?)<7//25'1%' .23/13'-.(342/13'739'
.739)@(32<-0(792 H0(7'144:H(29'8)'/02' .(/(50<7//2'1%' 2.?73' 1@3'
<MH29(/(13'1%' 232.7'::;1)32<2';7(35'GP(2' 7//2'1%' 1)?:5=5
2(;0/5'8:/'(5'41?H2 29'/1'@(/09.7@'0(5'%1.425'739'7/'75/'/1'5:..2392.<
5'>(39)'/.27/29'8)'/02' ?2.(473' 232.7 5< 3%7/:7/(13'1%' /02'-1?1'
1Q2.3?23/< 07/07?=5' H2240'13'/02' 2?H 1)?23/'1%' 39(735'(3'/02'
D 7.< (5'?239?23/'/1'/02' 99.255'.2G24/29P< 02' .2340' 1Q2.3?23/'
%.(239)'/1' ?2.(473' 392H2392342 !#*

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287/25'(3'-7.(7?23/'13'/02' ?2.(473'A:25/(13</.13;'%22 (3;'(3'%7Q1:.'1%'
413429(3;' ?2.(473' 392H2392342< 134((7/1.)' 275:.25'H75529'8)'-7.J
(7?23/'13'/02' ?1/(13'1%'/02' -.2?(2.' 1.9' 1./0< .27/)'1%' 1??2.42'
82/@223' .7342' 739'/02' .2Q1/29' 1 13(5/5< 1352I:23/' :H/:.2' @(/0'
.7342< 232.7' 2?739'%1.'/02'7HH1(3/?23/'1%' 1.9' 07/07?'75'-.2?(2.'
< /.13;'7Q2.5(13'1%'/02' (3;'/1'/0(5'?275:.2< 02' (3;=5'%1.?2.'>(393255'
(R.2H7(9'8)' 1.9' 07/07?< 2%:57'1%' %%(42'8)' 1.9' 07/07?< (5'75/'
H2240< (5'927/0< 3/2.?23/'1%' 1.9' 07/07?'(3' 25/.7(35/4.' 882)' ' !,L

- ' &&&

1??(55(132.5'523/'/1'/02' 2Q1/29' 1 13(5/5< 2%:529'9(.24/' 41??:3(47/(13'
@(/0' 13;.255< 02(.' 2557;2'92 (Q2.29< 2H)'1%' 13;.255< 22 (3;5'1%'
2M75H?7/(13'(3' ?2.(47' (34.27529'8)'/02' /132'1%'-.14 7?7/(135'(55:29'8)'
/02' 1??(55(132.5< 232.7'(.' 23.)' (3/13=5'?7.40'%.1?'-0(792 H0(7'
/1' 2@' 1.><3924(5(Q2'74/(13'7/' 13?1:/0' 1:./' 1:52< .:(/255'92R

-

?135/.7/(135‘ 1%‘ / (1‘ .134 (‘ 22/‘ 7/‘ 2@‘ 1.>‘ 7?(‘ 0192‘ 5 739 < 02‘
.2340‘ : 35 : 44255% :)‘ 7//2?H/‘ /1‘ .2/7>2‘ /02‘ 5 739‘ 1%‘ / ‘ : 4(7 < 02‘ 073J
32‘ 22/ < 3; (;1?13/‘ @(/0‘ /02‘ .2340‘ 1 ‘ 5073/ < 1 : ./5R 7./(7‘ 13‘
9?(.7 5‘ 2(.H2‘739‘ -7 (52. < : ?(37/(135‘739‘ (1/5‘ (3‘ 0131 : .‘ 1%‘ 1HH2‘
< 02‘ 41?8(329‘ .2340‘739‘ G(73(50‘ 22/5‘ (3‘ /02‘ 07332 < 7Q7‘ H2.7J
/(135‘ (3‘ /02‘ D 25/‘ 39(25 < 073;25‘ (3‘ /02‘ 9?(3(5/.7/(13 < 2//4. 5‘ 1%‘ /02‘
(3;‘ /1‘ 0(5‘ G (3 (5 / 2 . 5 ++!

- ‘ &&&

.287/25‘ (3‘ -7. (7?23/‘ 13‘ 4131?(47‘ 2%1.?< H2240‘ 1%‘ 9?:39‘ 3.>2< 2J
87/2‘ 13‘ /02‘ (?(/7/(13‘ 1%‘ /02‘ -1@2.‘ 1%‘ /02‘ .1@3 < 1/(13‘ 13‘ /02‘ (;0/‘ 1%‘
‘ -7. (7?23/‘ /1‘ .2;: 7/2‘ /02‘ (Q(‘ (5/ < 13/ (2/‘ 1%‘ -7./(25 < P 0I‘ N‘ 1.913‘
(1/50 < 02‘ TP18‘ H.291?(373/ < 27.%:‘ 2Q75/7/(13‘ (3‘ /02‘ 2/.1H1 (5‘ <‘
:.3(3;‘ 1%‘ 2@;7/2‘ 739‘ /02‘ 22/‘ -.(5135‘ 739‘ 1/02.‘ 8:(9(3;5< -.1?H/(J
/:92‘ 1%‘ /02‘ (3;< :HH.255(13‘ 1%‘ /02‘ (5/:.873425 < 02‘ (1/2.5‘ 8.1:;0/‘ /1‘
/.(7‘ ‘ ‘ U +V"

- ‘ &&&

02‘ (3;‘ 7557 : /29‘ (3‘ 0(5‘ 2973R 07(.‘ @023‘ H.14229(3;‘ /1‘ /02‘ 7G337.>4/‘
027/.2 < (./0‘ 1%‘ /02‘ -.(34255‘ 1H0(7 < 1?25/(4‘ (%2‘ 7/‘ 1@ < .5‘ 2R‘
73)=5‘ >2/4025‘ 1%‘ /02‘ 1)7‘ 7?() < (501H‘ :.9‘ -.242H/1.‘ /1‘ /02‘ -.(342‘
1%‘ D 7 25‘ 739‘ /02‘ 8:>2F%‘ 1.>< .‘ .31 9‘ :8R-.242H/1. < 27/0‘ 1%‘ /02‘
/@1‘)1:3;25/‘ 1%‘ /02‘ (3;B5‘ 135‘ -.(342‘ %.29‘ 739‘ -.(342‘ 4/7Q(:5<P 02‘
(3;=5‘ %22 (3;5‘ 73/(‘ 4139:4/‘ :392.‘ /0252‘ 2.27Q2?23/5 < (./0‘ 1%‘ -.(34255‘
? 2 (7 +""

- ‘ &&&

/7/2‘ 1%‘ -:8 (4‘ %%7(.5 < 1932)=5‘ 7Q7‘ (4/1.(25 < 2 (2%1%‘ (8.7 /7.<N .?29‘
2:/.7 (/)O 1%‘ /02‘ .27/‘ -1@2.5‘ 1%‘ :.1H2 < (.5/‘ HH27.7342‘ (3‘ -7. (7J
?23/‘ 1%‘ D((7?‘ -(//‘ ‘ ‘ 02.(973‘739‘ D((7?‘ D(82.%1.21 < 232.7‘
9?(.7/(13‘ 1%‘ -(//=5‘ 1I:2342<P 07.25‘ 1M‘ 0(5‘ -1 5(/(13‘739‘ 0(5‘ 551J
4(7/25 < 7Q7‘ H2.7/(135‘ 7;7(35/‘ /02‘ :/40 < 1932)=5‘ 7H/:.2‘ 1%‘ /02‘
5 739‘ 1%‘ / ‘ :5/7/(7 < Q23/5‘ (3‘ ?2.(47 < :..2392.‘ 1%‘ 07. 25/13‘ /1‘ /02‘
.(/(50 < 7// 25‘ 1%‘ 7?923‘739‘ 7/7@87‘ 1.95 < .2751378 2‘ 1..25H139J
2342‘ 1%‘ /02‘ ?2.(473‘ 232.7‘ .31 9‘ @(/0‘ 7G1.‘ 39.W < .7;(47‘ 7/2‘ 1%‘
7G1.‘ 39.W < 3924(5(Q2‘ ((/7.)‘ H2.7/(135 < ?.2394.‘ 1%‘ /02‘ .(/(50‘
%1.425‘ :392.‘ 1.9‘ 1.3@7 (5‘ /1‘ 232.7‘ D750(3;/13‘7/‘ 1.>‘ 1@3‘ L*"

- ‘ &&&

%%24/‘ (3‘ 3; 739‘ 1%‘ /02‘ 32@5‘ 1%‘ 1.9‘ 1.3@7 (5=5‘ :..2392.< 1.9‘ 1./0=5‘ (5R‘
/.74/(13R.R (2‘ (3;=5‘ I:73(?(/) < 287/25‘ (3‘ -7. (7?23/ < (2.42‘ 3Q24J
/(Q25‘ 1%‘ 07. 25‘ 1M < 1.9‘ 1./0=5‘ 2%2342 < H224025‘ 1%‘ :.>2‘ 73 P-(/‘ (3‘
HH15(/(13 < 7G1.(/)‘ %1.‘ (3(5/2.5 < 24.275(3;‘ 3:?02.5‘ 1%‘ /02‘ (3(5/2.(7‘
/I1.(/)‘ (3‘ /02‘ 1:52‘ 1%‘ 1?? 135 < 1M=5‘ 1/(13‘ 1%‘ 235(:=2‘ 13‘ 1.9 (?9R

" !

@(40 ' (.5/ 1.9 1% /02 9?(.7 /) < 2/(.2?23/ 1% 1.9 21.;2 2.?7(32 %.1?' /02 (3(5/.) < (%2342;(Q23 8)'0(5 2Q7/(13 /1' /02 -22.7;2 < 7G1.(/)' 1% '%1.' (3(5/2.5 13 232.7' 13@7)=5 1/(13 /1' 5/1H /02 D7.< :4425J 5(13 1% //74>5 13 /02 1Q2.3?23/ < 1.9 1./0=5 H2240 13 (3/(?7/(3;' /02 25(;37/(13 1% (3(5/2.5 < (5/.255 1% /02 (3;' @01 413/2?H 7/25 .2/(.(3;' /1 731Q2.< 02 14>(3;07?' 739 02 8:.32 9?(3(5/.7/(13 < 02 (3;=5 H7./(3;' 2//2.5 /1 /02 7.' 1% 7./?1:/0 739 1.9 1./0 < -2.5137' %14R /(13 1% /02 (3;'%1.' 1.9 1 . / 0 LL*

- ' &&&

02 2@' (3(5/2.5 (3 /02 1:52 1% 1?? 135 < (1 (3;=5 9(5 (>2 /1 0(5 32@ 9J Q(52.5' 25H24(7)' /1 .' 1M < 02 -.(342 1% D7 25 < (5 -:.5:(/5 739 551J 4(7/25 < (5 3/(?74)' @(/0 1M < (5 5:HH1./ 1% HH15(/(1(((3 /02 1:52 1% 1.95 < (5 (551 :/2 78(/5 739 39:/(%:' 139:4/ /1 B(5 7/02.< 02 2@' 9?(3(5/.7/(13 < (3(5/2.(7' 27 1:5(25 739 (55235(135 < -(//=5 1/(13 %1.' 0I:((G '(3/1 /02 /7/2 1% /02 2H.2523/7/(13 1% /02 -21H 2 (3 -7. (7?23/R 27/0 1% /02' -.2?(2.' 1.9 14>(3;07?< 1.9 (2 8:.34 7HH1(3/29 -.2J ?(2.< 25(;37/(13 1% 1M < 1M=5 -1 (/(47' (3(:2342 (?H7(.29 8)' /0(5 -.1J 4229(3;' LV"

- ' &&& &

02 02 8:.32 9?(3(5/.7/(13 < -(// 07342 1.' 1% /02 M402I:2.' 739 :3915 .275:.2.' 1% /02 7Q) < 1MB5 MH 737/(13 1% 0(5 139:4/ 739 //74>' 13 0(5 %1.?2.' 1 27;:25 < 2H)' 1% -(// < 1.9 02 8:.32=5 2%2342 (3 /02 HH2.' K 1:52 < 1932)' Q73I:(5025 /02 .2340 22/ :392.' 2 .7552 < 7Q7' 74.' /(45 < N .27>(3;' /02 (320 < 2.?(37/(13 1% /02 (2;2 1% (8.7 /7.< 392J H2392342 1% ?2.(47 74>31@ 29;29 < -2742 @(/0 .7342' H7(3' 739 1 J 739 < ;31.7342 1% 3; (50?23 13 ?2.(473 %%7(.5 < 02 (3;=5 (5/(B455 7/ /02 155 1% /02 ?2.(473 1 13(25X < D27>3255 1% /02 1Q2.3?23/ <' //2?H/ /1' 4134((7/2 1M < (Q7.)' 1% 1M 739 -(// < 17 (/(13 1% 1M E@(/0 1.9 1./0 < 287/25 (3 -7. (7?23/ < (3(5/2.5 2%27/29 < 25(;37/(13 1% 1.9 0 2 8:.32 L"$

- ' &

1M 739 0(5 %.(2395 7;.22 /1 .241?? 239 /02 :>2 1% -1./ 739 /1 /02 (3;' 75 -.2?(2.< D((7?' -(//H.25529 /1 7442H/ /02 -.2?(2.50(H' 8:/ 924 (325 <' 02 1% 42 1%%2.29 /1 1.9 1./0' 8:/ 924 (329 8)' 0(?< 02 -.(342 1% D7 25 7 (25 0(?52 % @(/0 1M 739 0(5 H7./) < (5/.255 1% /02 (3;' 7/ 07Q(3;' /02 D0(;5 %1.429 :H13 0(?' 739 /02 ?(54139:4/ 1% /02 -.(342 1% KD7 25 < 02 (3;' :.;25 -(// /1 7442H/ /02 -.2:GG2.5((GY < -(//' 7%/2.' 4135: /(3;' @(/0 0(5 %.(2395' 7;7(3 924 (325 < .(//(47' 5/7/2 1% H:8 (4 8:5(3255 < 02 (3;' 8 7?25 /02 17 (/(13' 739 /02 17 (/(13 8 7?25 /02 (3;=-:8 (4 1H(3(13 (3 %7Q1:.' 1% /02 ((3;< %/2.' 731/02.' 7//2?H/ /1 23;7;2 1.9 1./0' /01 (3;' (5 41?J H2 29 /1 47' (3 /02 :>2 1% -1./ 739 @01 8241?25 -.2?(2.< 02 17 (/(13 (3(5/.) < :.>2 739 02.(973 31/ (3 /02 78(32/ < -(//=5 ?1/(13 %1.' -7.R

(73(23/7.)' 1%1?(' 92%27/29 < -1 (/(47 ' 7.(47/:.25' 8)' 7)2.' 739' (.7) <' :/:7 ' 827.(3;' 1%' /02' (3;' 739' 0(5' 31@' (3(5/2.5 ' H7./(4: 7.)' 1M ' (3' /02(.' (3/2.41:.52' 13' H:8 (4' 8 : 5(3 2 5 5 S!S

- ' &

02' -.(342' 1/' D 7 25' 41?25' 1%' 7;2 < 02' 7.;1' H.1Q(5(13 ' H.1H1529' %1.' /02' -.(342' 8)' (3(5/2.5 ' 9(57HH.1Q29' 8)' /02' (3; < ' 4.(5(5' 7Q1(929' 8)' 7' H.:923/' 4134255(13' 13' /02' H7./' 1%' /02' -.(342 < 1M=5' 39(7' (< 02' (3;' 739' /02' 1:3/.)' 7 (>2' 9(557/(5%(29' @(/0' /02' H.1H1529K' ?192' 1%' 9(5H235(3;' /02' Q75/' H7/.137;2' 1%' 39(7 < 02' (' 5/.23:1:5)' 1HH1529' 8)' -(//' 8:/' H75525' /02' 1:52' 1%' 1?? 135' 8)' 7' 7.;1' ? 7G1.(/) < HH1529' (3' /02' 1.95' 8)' 7.' 2?H 2' @(/0' /P2' 5734/(13' 1%' /02' (3;' 739' /0.1@3' 1:/ < 1352I:23/' 4073;2' 1%' (3(5/.) < -(//' 7HH1(3/29' -.2?(2. < KDP (7?' -(//' 739' 07. 25' 7?25' 1M' /02(.'27.)' /(R7(3(3;' H2.5137' /75/25' 407.74/2.(5/(4' I:7 (/(25' 739' H1 (/(47 '.(Q 7 5 0 (H SLV

- ' &

8.:H/' @(/09.7@7' 1%' 7.' 2?H 2' %.1?' /02' -(//' 9?(3(5/.7/(13 < 35/7342' 1%' -(//=5' 9(5(3/2.25/293255 < (%%(4: /(25' 1%' /02' 2@' (3(5/.) < .2I:23/' 92%27/5' 1%' /02' 1Q2.3?23/' (3' / (P 1:51' 1%' 1?? 135 < 02' 1?? 135' H2/(/(13' %1.' -(//=5' .2?1Q7 < 02' (3;' (3' %7Q1:.K' 1%' 7' (551 :/(13' 1%' -7. (7?23/ < 02' 78(32/':392.' -(//=5' ;:(97342' 924(92' 7;7(35/' (551 :/(13 < (1 23/' H7./)' 7//74>5' 13' /02' (3;' 8)' 1M' 739' 1/ (2.' 2MR (3(5/2.5 < 02' (3;=5' 027 /0' 7;7(3' (?H7(.29 < 02' 1:52' 1%' 1.95' 4235:.2' /02' H.14229(3;5' 1%' /01' 1?F' ?135 < 24 (32' 1%' 1M=5' (3% :2342 < :?2.1:5' 799.25525' 1%')?H7/0)' 523/' /1'/(2' (3; < 3/0:5(75/(4' .242H/(13' 1%' -(//' (3' /02' (/) < .:/7 ' 7//74>' 13' -(//' (3' H755(3;' .11>5=5' :8 < (551 :/(13' 1%' -7. (7?23/ < 1M' 327.)' 1525' 0(5' 2 24/(13' %1.' KD25/?(35/2.< 7G1.(/)' %1.' 1Q2.3?23/' (3' /02' 1:52' 1%' 1?? 135 < H 239(9' H15(/(13' 1%' -(// < 2//2.5' 1%' /02' (3;' /1' (541:3/' 1@2' 739' 232.7' 1 3 @ 7) S*S

- ' &

?H.1Q2?23/' (3' /02' (3;B5' 027 /0' 739' 5ZY(.(5' 7%/2.' /02' 92%27/' 1%' /01' 17 (/(13 <' (5' 91?25/(4' (%2 < .5' 2 73)=5' 5>2/4025' 1%' /02' 078(/5' 739' 7?:52?23/5' 1%' /02' 1)7' 7?() < :Q23(2' 7 ' 7/' :4>(3;07?' 1:52 < .5' (99135=5' .7?7/(4' 279(3;5' 7/' 1:./ < 5/.73;2?23/' 82/@223' /02' (3;' 739' /02' -.(342' 1%' 745 < (551 :/2' 4139:4/' 739' 2M/(=7Q7;73/' 078(/5' 1%' /02' -.(342 <' 02' -.(342=5' H755(13' %1.' .5' (/602.82./ < . ' (/602.82./' @(/09.7@5' /1' /02' 13/(323/ < 02' .2/:.35' /1' 3; 739 P39' (5' ?7..(29' /1' /02' -.(342 < 02' ?7..(7;2' >2H/' 524.2/ < 1M' (3' /02' 1:52' 1%' 1?? 135' 923(25' 13' /02' 7:J /01.(/)' 1%' /02' -.(342' /07/' 73)' ?7..(7;2' 42.2?13)' 079' /7>23' H 74P 02' -.(342=5' 4139:4/' 13' /02' 14475(13 < 135(92.7/2' 4139:4/' 1%' /02' ((P' 739' A:223' /1@7.95' .5' (/602.82./ S",

- ' &

" %#

B1(@ 9(35'/02 (.5/ 3Q1)'%.1?'/02 3(/29 /7/25'1% 1./0 ?2.(47'.242(Q29
7/'/02 1:./'1% /' 7?25=5 < (5'(3/2.Q(2@'@(/0'/02 (3;< .' :.32)'739
/02 7392' 1??2?1.7/(13< 21.;2 /02 0(.9 75'7 :5(47' .(/(4< (5'
(3/2.25/'(3 (55 :.32)'739'02.'31Q2'1%'N Q2(370< 27/0'1%'/02 1@7;2.'
:40255'1% -1(739< (393255'1%'/02 (3;'739'RA:223 /1' .5' 4 73)<'
1?25/(4 (%2'(3'/02 A:223=5' 19;2 ///D(3951.< (55 :.32)=5'(3/.19:4J
/(13'/1'/02 (3;'739'A:223< (4'(5'7HH1(3/29'/1' (.(21R781:/'/02'A:223<
Ů -.(342'D((7?' 23.)' 7%/2.@7.95'D((7?'/02 1:./0' 75'7' 7Q7' (2:J
/2373/R 0.22'1%'/02' -((3425'23/2.29'75' /:923/5'7/' 1//(3;23' 3(Q2.5(/)<'
//2?H/'33'/02' (3;=5' (%2' 8)' 7.;7.2/' (401 513' @01'(5'413(:29' (3'
29 7?< -1H:7.'%22(3;'2Q1>29'(3'%7Q1:.'1%'/02' (3;' ' ' ' ' ' V!S

- - &

.(;(37' 2//2.'%.1?'/(4' (;0/' 13' ' - 73/7'/1'/02' (;0/' 13' ' D' .1>2.'VL,'
.(;(37' 2//2.5'%.1?' 21.;2'/02' 0(.9'/1' (541:3/'D2B?1:/0' ' ' É VS*
E .(;(37' 2//2.5'%.1?'D((7?B-(//' 7('1%' 07/07?'/1'B 01?75' 1 (5' 5I'VSLRV +

s s s s s

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(./0s 1%s/02s - .(34255s (6782/0s 739s 1%s - .(342s .325/s : ; : 5/ : 5 < (54.79(/ : 8 1s 4139 : 4/s 1%s /02s (3 ; =5s 8.1/02.s 23.)s : >2s 1%s : ? 82. 739 < (5s ? 7..(7 ; 2 < (5s 927/0 <s 73925/(32s ? 7..(7 ; 2s 1%s /02s : >2s 1%s 1 : 425/2. < 02s (3 ;s 7%/2.@7(M 5s .24134(29s /1s /02s : >2s 739s : 40255 < - .(34255s 7.1 (32s 7/(97s @(%2s 1%s 0.(5/(73s s 1%s 23 ? 7.>s <s (551 : /2s [(7.74/1.s 1%s /02s 73(50s (3 ;s <s 1 ? 25/(4s (3%2 (4(/(25 <s s s 7/s /02s 73(50s 1 : ./ < 73(50 ? 23/s 1%s /02s A : 223 < 2.s .25(92342s (3s C2 s 75/ 2 < 2.s 927/0 < 242752s 1%s /02s - .(3425Ps 1@7 ; 2.s 1%s D 7 25

s 07Q2s 31@s /1s .241.9s 7s %2@s 2Q23/5s 1%s 7s H2.5137s 739s 91 ? 25/(4s 407.74/2.s @0(40s 144 : . .29s (3s /02s (Q25s 1%s 21. ; 2s /02s 0(.9s 739s 0(5s A : 223s 5(342s @2s 75/s (3/. : 929s : H13s /02(.s H.(Q74)s 7/s : 4>(3 ; 07 ?s 1 : 52s 739s D (3951.s 3s /02s ! $/0s 1%s : 32s ! $$*s A : 223s 07. 1//2s ; 7Q2s 8(./0s /1s 7s 97 : ; 0/2.s /02s - .(34255s (6782/0s 7%/2.@7.95s 739 ; .7Q(32s 1%s - 2552s 1 ? J 82. ; s 739s 13s /02s V/0s 1%s : 32s /02s %1 1@(3 ;s)27.s @75s 81.3s 02.s %(%/0s 513s .325/s : ; : 5/ : 5s 7%/2.@7.95s 5 : 44255(Q2)s : >2s 1%s : ? 82. 739s 739s (3 ;s 1%s 731Q2.s : . .1 : 3929s 8)s 7s)1 : 3 ;s 739s 827 : /(% : s %7 ? ( )s 739s %1. ? 29s 75s 21. ; 2s /02s U 0(.9s @75s 8)s 37/ : .2s %1.s /02s 23G1) ? 23/s 1%s 01 ? 2R23927.J ? 23/5s 739s 01 ? 2RH 275 : .25s 0(5s (%2s 7/s /0(5s H2.(19s ? (; 0/s 82s H.25 : ? 29s /1s 07Q2s 8223s 7s 07HH)s 132s 3s 799(/(13s 01@2Q2.s /1s H1 (/(47s 73M(2/(25s 02s @75s 31/s 2M2 ? H/29s %.1 ?s /02s 1.9(J 37.)s 47.25s 739s 51. .1@5s @0(40s 7.2s /02s 1/s 1%s 0 : ? 73)s s 51 : .42s 1%s 25H24(7s Q2M7/(13s /1s 0(?s 7/s /0(5s /(? 2s @75s /02

% 7 ; . 73/' ? (54139 : 4/' 1%' 132' 1%' 0(5') 1 : 3 ; 2 .' 8 . 1/02 . 5 ' /02'
: >2' 1%' : ? 82 . 739

23 .)' . 292 . (4>' : >2' 1%' : ? 82 . 739 ' %1 : ./0' 513' 1%'
. 292 . (4>' - . (342' 1%' R D 7 25 ' E@75 81 . 3' 13' /02' +#/0' 1%' 4/182 .'
! $SV ' ' 073951 ? 2' 41 : 3/237342' ? 792' 51 ? 2' 7 ? 2395' %1 .'
/02' 501 . /3255' 1%' 0(5' 5/7/ : . 2' 739' /02' ? 2733255' 1%' 0(5' 78((/(25 '
D 7 H1 2' 9(5 ? (5525' 0(?' %. 1 ?' 0(5' 7 ; . 2278 2' H7 ; 25' 75' 7' H2 . /'
407//2 . (3 ; ' 9(55(H7/29 ' 739' %. (Q1 1 : 5') 1 : /0 ' H . 1 : 9' 1%' 0(5'
2M7 /29' . 73>' 7 ? 15/' /1' Q : ; 7 . (/) ') 2/' 7/' /02' 57 ? 2' /(? 2' H . 2J
%2 . . (3 ;' 1@' 514(2/) F' 1 : 8/ 255 ' ? : 40' /07/' @75' /1' 82' 7J
? 23/29' (3' /02' : >2=5' 407 . 74/2 .' 739' 4139 : 4/' @75' 7// . (8 : /78 2'
/1' /02' 2M4 : 5(Q2' 739' . 2H . 20235(8 2' 5)5/2 . 3' : 392 .' @0(40' 02'
079' 8223' 29 : 47/29' 8)' 0(5' ? 1/02 . ' /02' - . (34255' 1@7 ; 2 . '
2H/' (3' 4 152' 739' (. >51 ? 2' 524 : 5(13' /(' 02' 079' . 274029' /02'
) 27 . 5' 1%' ? 730119 ' 739' 744 : 5/1 ? 29' /1' 31' 1/02(F' 514(2/) ' 8 : /' /07/'
1%' 5) 41H073/5' 739' 92H23923/5 ' (/' (5' H2 . 07H5' 31/' ? : 40' /1' 82'
@1392 . 29' 7/ ' /07/' 7') 1 : 3 ;' - . (342' 1%' @7 . ?' H755(135' 739' @27>'
407 . 74/2 .' 501 : 9 ' 13' 18/7(3(3 ;' 0(5' %. 2291 ? ' 07Q2' . : 5029' 7/'
1342' %. 1 ?' /02' 54011 . 11 ?' /1' /02' 5/2@5' 739' /02' 3(; 0/' 42 7 . 5
79' /02' : >2' 1%' : ? 82 . 739' /01 : ; 0/' H . 1H2 .' /1' 413%(32'
0(5' 2M425525' @(/0(3' /02' (? (/5' 1%' 1 . 9(37 .)' H . 1% (; 74) ' /02'
@1 . 9' @1 : 9' 91 : 8/ 255' 07Q2' / . 1 : 8 29' (/52 %' (// 2' @(/0' 2(/02 .'
0(5' Q(425' 1 .' 0(5' %1 (25 ' D 023 ' 01@2Q2 . ' 0(5' 37 ? 2' 8247 ? 2'
? (M29' : H ' : 392 .' H24 : (7 .)' 547397 1 : 5' 4(. 4 : ? 5/73425 ' @(/0'
/07/' 1%' 7') 1 : 3 ; K' 739' 827 : /(% : ' @1 ? 73' 1%' 0(; 0' . 73>' 739'
1 . ? 73' . 742 < @023 ' %1 .' /02' %(. 5/' /(? 2' (3' 3 ; 739 ' 7' - . (342'
1%' /02' 119' @75' 9 . 7 ; ; 29' (3/1' 7' 1 : ./' 1%' : 5/(42' /1' 92%239'
0(? 52 %' (3' 73' 74/(13' %1 .' 79 : /2 .) < /02' 4752' 8247 ? 2' 7' Q2 .)'
9(%%2 . 23/' 132 ' (5' Q(4/(? ' 7' 97 : ; 0/2 .' 1G' /02' 01 : 52' 1%' 2 . J
313 ' @75' @(%2' 1%' (407 . 9' %(. 5/' 7 . R . 15Q231 . \' 1 1@(3 ;

F ' KD7 H1 2=5' 2(; 3' 1%' 21 . ; 2' L ' Q1 ' (((' HH ' ' S*+' X Q1 ' (Q ' H ' !#V
]' 23 . (2//7 ' 97 : ; 0/2 .' 1%' 23 .)' 2 . 313 ' 5I ' 1%' (/13' (3' /02' 1 : 3/)' 1%' /7%%1 . 9 '
0)' 79)' 23 . (2//7' D 23/@1 . /0 ' 97 : ; 0/2 .' 1%' 01 ? 75' 7 . ' 1%' /. 7%%1 . 9 ')' 02 .' ? 7 . J
. (7 ; 2' @(/0' 1 . 9' . 15Q131 . ' @0(40' /11>' H 742' 13' /02' ! , /0' 1%' :)' ! $#S ' 502' 8247 ? 2' /02'
? 1/02 .' 1((182 . /' 524139' 7 . ' . 15Q131 .' 739' 1%' /0 . 22' 1/02 .' 40(9 . 23' @01' 9(29') 1 : 3 ; '
3' 2H/2 ? 82 .' ! "*+' 327 .)' /0(./)') 27 . 5' 7%/2 .' 02 .' 52H7 . 7/(13' %. 1 ?' 02 .' 0 : 58739 ' /02'
1 : 3/255' . 2 ? 7 . . (29' 232 . 7 ' 21 . ; 2' - 1 ./2 . ' 2 ? 82 .' 1%' - 7 . (7 ? 23/' %1 .' /14>8 . (9 ; 2

02.' %.1?' 13913' 13' (2.' 92H7./:.2' /1' 02.' 0:58739=5' 527/' 7/13' 7 ' (3' 0250(.2' /02' :>2' /11>' :H' 0(5' 78192' 7/' 7' 5?7 ' H:8 (4R01:52' (3' /02' 32(;081:.0119P1%' /02' 7 ' ?2/' 02.' (3' 9(5;:(52' 739' 2%%24/29' 02.' .:(3' 02' 7. P<0(?52 %' 7' 31/1.(1:5' (82./(32<5:852I:23/)' .241Q2.29' /23' /01:5739' H1:395' 97?7;25'%.1?'/02' :>2' 7' 5:?'@0(40'(/'@(' 82' H2.R' 42(Q29' 0(5' 1)7' (;03255' %1:39' 51?2' 9(%%(4:/)' (3' H7)(3; !$$*

^UV' ! "# !$$*

N')' 8.1/02.5' 07Q2' /0(5' 97)' 7HH (29' 781:/' /02' ?2735' 1%' H7)(3;' /02' :>2' 1%' :?82. 739=5' 97?7;R25' 739' 415/5' @0(40' (%' 31/' H7(9' /0(5' 97)' 52=33(;0/' /02' -.14/1.5'@(' 42./7(3 _P' %1.42' /02' 01:52'@0(40' 7/' /0(5' (423/(1:5R' /(?2' @(' 14475(13' .2% 2M(135' 13' /02' .25/' 1%' /02' %7'?(K D07/2Q2.' 473' 82' 9132' 1:;0/' /1' 82' 9132 0' F

' 47.42)' 255' 9(54.29(/78 2' /073' /02' H.1% (;7/2' 92/7(5'@0(40' @2.2' 2 (4(/29' 7/' / (2' /.(7 ' @75' /02' 2Q(92342' (Q0(40' (/' 7%%1.929' 1%' /02' ;.155)' (?H2.%24/' 5/7/2' 1%' 0(5' 1)7' (; ?255=5' 29:J 47/(13' 2Q2.7' 2//2.5' 799.25529' 8)' 0(?' /1' 0(5' H7.7?1:.' @2.2' .279' (3' 1H23' 41:./' /02' 5H2 (3;' 5/) 2' 739' ;.7??7.' 1%' @0(40' @K2.2' 51' 7?23/78)' 413/2?H/(8 2' 75' /1' H.1Q1>2' %.2I:23/' 8:.5/5' 1%' 7:;0/2.' %.1?' /02' 7:9(2342' 1.' (3J 5/7342' (3' 132' 1%' /0252' H.24(1:5' 2%%:5(135' 02' @.(/25<N' ' /1' 5:HH2.' 781:/' 3(32' 1=4 14>' 8:/' ' 41: 9' 31/' 27/' 739' 51' ' /1' 829' 781:/' /23 0' N' (5' .1)7' 0(;03255=5' 9(4/(13' 739' 27.3(3;0'@.(/25' D 7 H1 2' N' 547.42' 2M422929' /07/' 1%' 7' 478(3' 81)' 75' /0152' 2 1I:23/' 2H(5/ 25' 2M(5/(3;' (3' H.(3/' ?7)' /25/(%)' 1?2' 82(3;' H23329' 13' 817.9' 50(H' @2.2' (/2.7' Q2.5(%(47/(135' 1%' 1.9' 1.52/=5' 87 79<

N' ^ 1' 7 ')2' 79(25' 31@' 7/' 739'
D 1' ?23' 7/' 527' (39(/2
:/' %(.5/' @1: 9' 07Q2')1:' :392.5/739'
1@' ' (/' (5' /1' @.(/2 ± 0]

79)' .15Q231.' (3' /02' :>2=5' 2//2.5' (5' 799.25529' 8)

F 1.9' .1:;07?=5' /7/25?23' 1%' /02' (?2' 1%' 21.;2' L' Q1 ' (' H' $+' $' 9(/(13' !"#"' 3' 731/02.' 31/2' 97/29' /02' 57?2' 97)' /02' (3;' 47 4: 7/25' /02' 5:?' 1%' ?132) (>2)' /1' 82' .2I:(.29' 75' `!L *** ']' D 7 H1 2=5' (2(;3' 1%' 21.;2' L' Q1 ' () ' H' !#S +

0(?' 75' 0(5' N 2Q2.' 4 27.25/' (// 2' 73;2 0' 2' N>(5525' 02.' 927.25/' (// 2' 07(. 0< N ' 07Q2')1:.' 027./X0' 02' @.(/25' /1' 02.' 13' 132' 14475(13' N' 739' (/' (25' @7.?' (3' ?)' 8.275/' ' 01H2' ?(32' %22 5' 75' 275)' /1')1: 0F

2(/02.' 9(9' /02' :>2=5' (82./(3(5?' 739' 507 1@3255' 1%' ?(39' 41?H 2/2' 0(5' 1%%23425' 1/' 413/23/' @(/0' 07Q(3;' 23J /7(29' :H13' 0(?52 %' /02' 541.3' 739' 92.(5(13' 1%' /02' @1. 9' /02' %.(Q1 1:5' -.(342' 8)' 7873913(3;' /1' 51 (/:92' 739' 507?2' /02' :3(7H+L)' H7./32.' 1%' 0(5' ;:(/' H.1Q29' /07/' 0(5' 027./' @75' 75' %7: /)' 75' 0(5' :392.5/739(3;' R 1' 501./ (Q29' @75' 0(5' H755(13' /07/' 547.42)' 079' 7' Q2.9(4/' 8223' H.131:3429' :H13' 0(?' (3' 7' 1:./' 1%' :5/(42' 82%1.2' 02' 41?? 23429' 731/02.' 9(5.2H:/78%2' (3/.(;:2' @(/0' 7' ?7..(29' @1?73' 1%';.27/' H2.5137' 827:/)' @(/0' @01?' 02' ?792' 31'54.:H 2' 1%' H:8 (4)' H7.79(3;' 0(?52 %' @023J 2Q2.' 502' 7HH27.29' 7/' /02' /027/.2' 1.' 7/' 5(?(7.' H 7425' 1%' 9(Q2.J 5(13' 1./:37/2)' 02.' 0:58739' 7' @27 /0)' 739' 1852I:(1:5' /(?J 82.R?2.4073/' @75' 5/(' ?1.2' Q: ;7.)' 92Q1/29' /1' .1)7 /)' /073' /02' ;(99)' @1?73' 02.52 %' 739' 41352I:23/)' /02' .1)7' %7?()' @2.2' 5H7.29' /02' H:8 (4' 547397' 739' 9(5;.742' @0(40' ?:5/' 3242557.( )' 07Q2' 7//23929' 7' 524139' G:9(4(7' (3Q25/(;7/(13' 0K

D 0(2' /0252' :307HH)' H.14229(3;5' @2.2' 5/(' %:.3(50(3;' /02' H:8 (4' @(/0' %119' %1.' ;155(H' /02' D1.9' @75' 5:9923)' 5/7./29' 8)' 73' 7331:342?23/' (3' /02' H:8 (4' G1:.37 5' /07/' 0(5' 7G25/)=5R 8.1/02.' /02' :>2' 1%' :?82.739' 079' ;(Q23' 0(5' 0739' 7/' /02' 7 /7.' /1' 332' @(91@' 1%' 0.(5/1H02.' 1./13' 5I:(.2' 1%' 7//13' (3' 2.8)50(.2' 739' 97:;0/2.' 1%' (?13' 1.9' ?07?' 7%/2.@7.95' 7.' 1%' 7.07?H/13G' 0(5

F' N' 2 28.7/29' .(7 5 0' Q1 ' (Q' HH' S"!<,' 13913' !"+V

]' D 7 H1 2=5' 2(;3' 1%' 2#.;2' L' Q1 ' (Q' HH' LV#<$

(' 02' ?7..(7;2' /11>' H 742' 13' /02' 3(;0/' 1%' /02' +39' 1%' 4/182.' !$$!' 7/' /02' 79)=5' .25(92342' (3' 2./%1.9' /.22/' 7)' 7(.' 02' H.11%5' 1%' /02' ?7..(7;2' 18/7(329' 8)' 1.92.' 1%' /02' (3;' (3' 7)' !$$L' 7.2' H.252.Q29' (3' /02' -.(Q)' 1:34(' 1%%(42' @02.2' /02' 7:/01.' 079' /02' 1HH1./:3(/)' 1%' (35H24/(3;' /02?' 02' 13)' 914:?23/' 1%' 73)' (3/2.25/' (5' /02(.G1(3/' 924 7.7/(13' /07/' /02)' @2.2' ?73' 739' @(%2' 5(;329' 8)' /02' :>2' 739' :40255' 13' /02' 3(;0/' 1%' /02(.' 3:H/(7 5' 739' 7//25/29' 8)' /02' 4 2.;)?73' @01':3(/29' /02?' 02' 5(;37/:.2' 1%' /02' :>2' N 23.)' .292.(4>0' (5' /.7429' (3' 5(3;:7.)' /.2?:1:5' 407.74J /2.5' @0(2' 31/0(3;' 473' 82' 327/2.' 1.' 5/279(2.' /073' /07/' 1%' /02' 8:4>2/5

2Q23/‘ @0(40‘ :? 1.‘ 73)‘ 4(.4:?5/73425‘ Q07/4Q2.‘ @1:9‘ 07Q2‘ 8223‘ 7‘ 52Q2.2‘ 8 1@‘ /1‘ /02‘ (3;‘ Q75 .2392.29‘ /02‘ ?1.2‘ 9(5/.255(3;‘ (3‘ 41352I:2342‘ 1%‘ /02‘ -.(34255‘ 1@7;2.‘ 7/‘ /02‘ /(?2‘ 82(3;‘ 5:HH1529‘ /1‘ 82‘ 7/‘ /02‘ H1(3/‘ 1%‘ 927/0‘ 739‘ 7 51‘ %.1?‘ /02‘ 4(.4:?5/7342‘ /07/‘ /02‘ %(.5/‘ (3/2 (;2342‘ @0(40‘ /02‘ (3;‘ .242(Q29‘ 1%‘ 0(5‘ 8.1/02.=5‘ ?7.J .(7;2‘ @75‘ /0.1:;0‘ 31‘ 255‘ 027./255‘ 739‘ 9(5.25H24/%:‘ 7‘ 407332‘ /073‘ 73‘ 1 ₪0739‘ 2//2.‘ 799.25529‘ /1‘ 0(?‘ 8)‘ /(2‘ :>2‘ %.1?‘ 73‘ 01/2‘ 7/‘ 7 7(5‘ 02‘ (3;‘ H:8(4 G₱739‘ 7/‘ 1342‘ ?73(%25/29‘ 0(5‘ ?7.>29‘ 9(5H 275:.2‘ 7/‘ 0(5‘ 8.1/02.=5‘ 4139:4/‘ 1‘ /02‘ %1.2(;3‘ (3(5/2.5‘ 02‘ 47((529‘ (/‘ /1‘ 82‘ H.(Q7/2)‘ (3/(J ?7/29‘ /07/‘ /02(.‘ 785/7(3(3;‘ %.1?‘ 2M4073;(3;‘ %:./02.‘ 4(Q((J /(25‘ @(/0‘ :?82. 739‘ 1:52‘ @1:9‘ 82‘ .2;7.929‘ 75‘ 73‘ 7442H/J 78 2‘ 4134255(13‘ 8)‘ /02‘ (3;‘ X @0(2‘ /02‘ %750(1378 2‘ @1. 9‘ .242(Q29‘ 31/(42‘ /0.1:;0‘ /02‘ ?29(:?‘ 1%‘ /02‘ 1.9‘ 07?82.R‘ 7(3‘ /07/‘ 5:40‘ H2.5135‘ 75‘ ?(;0/‘ 401152‘ /1‘ @7(/‘ :H13‘ /02‘ :>2‘ 739‘ :40255‘ ?:5/‘ 31‘ 13;2.‘ 2MH24/‘ /1‘ 82‘ .242(Q29‘ 7/‘ /‘ 7?25=5 F‘ 3‘ /02‘ 1/02.‘ 0739‘ /02‘ (3;‘ 31/‘ 13)‘ 7 1@29‘ 0(5‘ 8.1/02.‘ /1‘ .2/7(3‘ 0(5‘ 2I:2..(25‘ 739‘ /02‘ 1/02.‘ 7HH737;25‘ 1%‘ 7‘ -.(342‘ 1%‘ /02‘ 119‘ 8:/‘ 2Q23‘ H2.?(//29‘ 0(?‘ /1‘ >22H‘ 0(5‘ 73;2.50(H‘ 1%‘ D(3951.‘ .27/‘ -7.>B‘ 31/@(/05/739(3;‘ /02‘ 327.‘ Q(4(3(/)‘ 1%‘ /02‘ 73;2.=5‘ 19;2‘ /1‘ D(3951.‘ 75/ 2‘ ?:5/‘ 23/7(‘ /02‘ 4135/73/‘ 407342‘ 1%‘ 0(5‘ 2341:3/2.(3;‘ /02‘ :>2‘ 1.‘ :40255‘ (3‘ 0(5‘ .(925

5‘ %1.‘ /02‘ 32@‘ :40255‘ 7 /01:;0‘ 7‘ %(3(5029‘ 41I:2//2‘ 739‘ 07Q(3;‘ ?1.2‘ /02‘ 7HH27.7342‘ 1%‘ 7‘ @1?73‘ 1%‘ H 275:.2‘ /073‘ 1%‘ 7‘ 79)‘ 1%‘ 9(5/(3;:(5029‘ H15(/(13‘ 02.‘ 4139:4/‘ 75‘ 7‘ @(%2‘ 739‘ 7‘ ?1/02.‘ 7HH27.5‘ /1‘ 07Q2‘ 8223‘ :32MJ 42H/(1378 2‘ N 02‘ 32@‘ -.(34255‘ 1%‘ /02‘ 119 0‘ @.(/25‘ D7H1 2‘ /1‘ (.‘ 1.742‘ 733‘ 13‘ /0W₿ $/0‘ 1%‘ 1Q2?82.‘ !$$! < Ń(5‘ 7‘)1:3;‘ @(91@‘ 1%‘ /@23/)R%1:.‘ 2M/.2?2)‘ H.2//)‘ 31/‘ 073951?2‘ Q2.)‘ @2 ‘ ?792‘ @(/0‘ /02‘ ?15/‘ 7?1.1:5‘ 2)25

F‘ /‘ 7‘ 407H/2.‘ 1%‘ /02‘ .92.‘ 1%‘ /02‘ 7./2.‘ 02 9‘ 13‘ /02‘ !" 0‘ 1%‘ :32 /02‘ %1 1@(3;‘)27.‘ @1‘ %(39‘ /07/‘ /02‘ :>2‘ @75‘ /02‘ 13)‘ 3(;0/‘ @01‘ .242(Q29‘ 31‘ 5:?? 135‘ /1‘ 81‘ ‘.2523/‘ & ‘‘ (‘ ‘!$$+‘H‘ !!*

(3' /02' @1. 9' 739' 2)2 75025' 7')7.9' 13;X 41I:2//2' 82)139' ?275:.2' 7./%:' 75' 21H7/.7' 739' 41?H 2/2)' ?(5/.255' 1%' 7 ' 02.'H755(135' 739'H.1G24/5' 39229' 2)2 75025' /0.22RI:7./2.5' 1%' 7')7.9' 501./2.'@1: 9' 07Q2' 52.Q29' /1' 413I:2.'5:40' 7' 0279' 75' 502' 075' /:.329 0F ;7(3' D 7 H1 2' /0:5' 9254.(825' /02' :40255' (3' 0(5' ?2?1(.5' 1%' /02' .2(;3' 1%' 21.;2' /02' 0(.9X% < N' 02.2' @75' 51?2/0(3;' 51' 82@(/40(3;'(3' 02.' 73;:(50(3;'2)25' @0(40' 502' 41:9' 73(?7/2' /1' 234073/?23/' (%' 502' H 27529' 739' 02.' 41I:2/.)'@75'51' 74/(Q2' 51' Q7.(29' 739')2/' 51' 078(/:7 ' /07/' (/' @75' 9(%%(4: /' 31/' /1' 522' /0.1:;0' (/' a39')2/' 75' 9(%%(4: /' /1' .2J 5(5/' (/' 02' 973429' 9(Q(32)' 739' 079' 7' ;.27/' 927' 1%' @(/' 8:/' 1%' /02' 57/(.(4' >(39X 739' 75' 502' 079' 07:;0/(3255' 82%1.2' 02.' .(52' 31' @1392.' 502' 4 7(?29' 7 ' /02' 1852.Q7342' 9:2' /1' 02.' .73>' 7%/2.b502' 8247?2' :40255' 1%' :?82. 739 0

D 07/' .2?7(35' /1' 82' /1 9' 1%' /02' :>2' 1%' :?82. 739' ?7)' 82' Q2.)'8.(2%)' .2 7/29' (5' ?7..(29' (%2' @75' 31/' 7' 07HH)' 132' Q1(929' 8)'0(5' .1)7' .2 7/(Q25' 739' 32;24/29' 8)' /02' @1. 9' 0(5' 514(2/)' 9:.(3;' /02' 7/2.')27.5' 1%' 0(5' (%2' 522?5' /1' 07Q2' 8223' 7 ?15/' 23/(.2)' 413%(329' /1' /02' >(35H21H 2' 1%' 0(5' :40255' 739' 7' %2@' 75514(7/25' @0152' /75/25' 739' 078(/5' @2.2' 413;23(7' /1' 0(5' 1@3' 1' 5(3;2' (39(Q(9:7' 1%' 0(;0' .73>' 739' 407.74/2.' 7HH27.5' /1' 07Q2' 41:3/2373429' 0(?' Q23' /02' ?15/Q(1 23/' ?2?82.5' 1%' /02' HH15(/(13' 50:3329' .7/02.' /073' 41:./29' 0(5' 74I:7(3/7342' 0X 02' :>2' 2MH(.29' 13' /02' !"/0' 2H/2?82.' !$,*' (3' /02'%1./)R%(%/0')27.'1%' 0(5' 7;2

F' D 7 H1 2-5' 2//2.5' Q1 ' Q' HH' V' L/$' 9(/(13' !"V$'
/' 1' (Q' H' LV$
(' N 2.2' 7.2' /@1' 732491/25 0' @.(/25' 7' 413/2?H1.7.)' N 1%' /02' " ' :>2' 1%' :?J 82. 739' @0(40' ?15/' (>2)')1:'07.2' 32Q2.'027.9' 32' 47?2' %.1?' (.' 150:7' 2)31 95' 0(?52 %' 02' :40255' 1%' :?82. 739' @75' 5(//(3;'%1.' 02.' H(4/:.2' 02' :>2' 47?2' (3X /:?8 29' 781:/' /02' .11?' (3' 0(5' 7@>@7.9' ?7332.' @(/01:/' 5H27>(3;' /1' (.' 150:7' 02' :40255' /01:;0/' (/' /11' 879' 739' @0(5H2.29' /1' 0(?' 02.' 1H(13'X :H13R @Y(40' (2' 47?2' 739' 273(3;' 13' (.' 150:7-5' 407(.' @0(2' 02' @75' H7(3/(3;' 57(9<' ^D 07/↑)1:' 7 @7)5' 82;(3' @(/0' /02' 0279' %(.5/' 91')1:'Ć- 39' 1342' @023' 7/' 0(5' 1@3' H:8 (4' 97) 01' @75' /1 9' 01' 1:;0/' /1' 57)'51?2/0(3;' /1' .' (8813' /02' 7:/01.<' ^ 1 - 57)5' 02' ^ ' 5:HH152')1:' 7.2' 7/' /02' 1 9' /.792' 7;7(3'<'54.(88 2' 54.(88 2' 54.(88 2' Ć- '501:9' /0(3>' @(/0' 5:40' H.2//)'@(//)'57)(3;5' 0(5' .1)7' 0(;03255' ?:5/' 82' Q2.)'23/2./7(3(3;0' &)* ' #' Q1 ' ((' HH' +"*<

524139 4 73925/(32 ? 7..(7;2 (3 /02 .1)7 %7?( ) @0(40 7 51 14475(1329 ;(B27/ 9(5/.255 /1 /02 (3; @75 /07/ 1% 731/02. 1% 0(5)1:3;2. 8.1/02.5 /02 :>2 1% 1:425/2. @(/0 7.(7 73 (2;(/(?7/2 97:;0/2. 1% (. 9@7.9 D7J H1 2 739 @(91@ 1% 7?25 524139 7. 1% D7 92;.7Q2 F

D((7?. 23.) :>2=1% 1:425/2. /0(.9 513 1% .292.(4> -.(342 1% D7 25 @75 81.3 7/ 2(425/2. 1:52 13 /02 +V/0 1% P2?82.!$SL 5 02 @75 132 1% /02 275/ (3/2 (;23/739 H.1?(5(3;1%/02 3:?2.1:5 1%%5H.(3;1%/02 -.(34255 1@7;2. 51 7 51 @75 02 /02 132 375/ 82 1Q29 739 /02 275/ /2392.) /.27/29 8) 0(5 ?1/02. 441.9(3;/1 D7 H1 2 502 :529 /1 47:52 0(?;.27/ 9(5/.255 7/ /(?25 8)G22.(3;0(?13 7441:3/ 1% 0(5 9: 3255 (3 /02 H.252342 1% 0(5 8.1/02.5 739 5(5/2.5 G 13 132 H7./(4: 7. 14475(13 /2 (3; /02?N /1 7:;0 7/ /02 %11 O 02 5235(/(Q2 40(9 02 9 91@3 0(5 0279 739 57(9 31/0(3;X 13 @0(40 /02 -.(34255 4073;29 02. /132 739 744:529 0(?1% 5:>(3255 N 1 O 02 57(9 N 02 @75 31/ 5:>)X 02 @75 13) /0(3>(3; O N 39 H.7) @07/ 7.2)1: /0(3>(3;1%cO (3I:(.29 /02 -.(34255 @(/0 (34.275(3; 541.3 (3 02. ?7332. N @75 /0(3>(3; O 57(9 /02 H11. 40(9 N@07/ 501:9 %22 (% 079 7 513 75 :307HH) 75)1: ?7>2 ?2 0

21.;2 /02 0(.9 739 /02 :>2 1% R 1:425/2. 079 31/ 13) 8223 %(.?7 (25 739 %.(2395 (3 40(90119 739 (3 81) J 0119 8:/ :H /1 /02 /(?2 /07/ /02 7//2. 7 1@29 /02 %74/ 1% 0(5 (R7551./29 :3(13 @(/0 79) D7 92;.7Q2 /1 /.735H(.2 /02 (3;079 1Q29 0(?? 1.2 /073 73) 1/02. 1% 0(5 8.1/02.5 2/@223 /02(. 52Q2.7 407.74/2.5 /02.2 @2.2 5/.(>(3;.252?8 73425 3 /02(.81)0119 2740 079 ?73(%25/29 /07/ 52.(1:5 .252.Q29 739 H(1:5 9(5H15(/(13 @0(40 07HH( ) H.252.Q29 /02?%.1?H :3;(3;(3/1 /0152)1:/0%: (..2;:R

F (. 9@7.9 D7 H1 2 @75 /02 524139 51(1% /02 42 20.7/29 (3(5/2. 1 E@75 /02 %7/02. 1% /@1 1/02. (2;(/(?7/2 97:;0/2.5 1% @01?132 8247?2 /02 @(%2 1% (132 %(%/0 7. 1%)57./739 /02 1/02. ?7..(29 /02 131:.78 2 .292.(4> 2HH2 (501H 1% M2/. %(%/0 513 1% D((7? 332 524139 7. 1% 82?7.2

:>2' 1%' 1:425/2.' 7' 41:.52' 1%' 4139:4/' @((49(' B@75'
7(>2' 474:7/29' /1' ;(Q2' 8(./(' /1' /02' 5322.5' 1%' /02' 23J
Q(1:5' 739' /02' H.:9(50' 739' /1' 4.27/2' ((3275(3255' (3' /02'
?(395' 1%' 02.' .27/(Q25' 739' %.(2395' 3(>2)' (39229' (/'
7HH27.29' /1' 02' /07/' /02' @(91@' 1%' 73' 7.' 739' 7' @1?73' 1%'
;.27/'Q(./:2' 739' H.(92'501:9'5/11H' /1'%1.?' 7' 9(50131:.78 2'
41332M(13X')2/(' 1/02.' 0739' /02' 4073425' 1%' /02
?((32.=5' 97:;0/2.' 8241?(3;' /02' 5(5/2.R(3R 7' 1%' /02'
.2(;3(3;' 51Q2.2(;3' 522?29' /1' 82' I:(/2' 75' (?H.1878 2' 739'
.2?1/2

/' @75' 7/' /0(5' G:34/:.2' /07/' 7/' /02' .241??2397/(13' 1%'
02.':34 2' 1.742' D 7 H1 2' 739' @(/0' /02' 7HH.187/(13' 1%'02.'
%7/02.' 79)' D 7 92;.7Q2'799.25529'7' 2//2.'/1'02.'.1)7' 1Q2.'
(3' @0(40' 7%/2.' 07Q(3;' H1(3/29' 1:/' /02' (39(%%2.23/' .2H:/2'
@0(40' 0(5' 7//23/(135' @2.2' 474:7/29' /1' 23/7(' :H13' 02.' 502'
.231:3429' 0(5' %.(23950(H' 13' /02' 91:8 2' H 27' /07/' 502' @75'
/11' 4135(92.78 2' 7' H2.513' /1' 8241?2' 0(5' ?(5/.255' 739' 1%'/11'
(// 2' 4135(92.7/(13' /1' 8241?2' 0(5' @(%2' D07/2Q2.' ?7)'
07Q2' 8223' /02' .25:/' 1%'/0(5' 41??:3(47/(13'(/' @75' 31/' 13)'
>2H/' 7' 524.2/' %.1?'02.'.27/(Q25' 8:/' 2Q23' /02' 23/.27/(25' 1%'
7' %7/02.' %7(29' (3' 2(4(/(3;' 73)' (3%1.?7/(13' %.1?'02.' 13' /02'
5:8G24/' ' ' 501./' %1./3(;0/0' @.(/25' 1.742' D 7 H1 2
N'87%%29' 7' ?)' H.:92342' 02' -.(342' .232@29' 0(5'Q(5(/5'
@(/0' ?1.2' 755(9:(/)' 7%/2.' /07/' (// 2' (3/2.Q7' 739' 79)'
D 7 92;.7Q2' .242(Q29' 0(?' @(/01:/' 9(5;:(52')' H7./' @75'
/7>23' ' 079' 9132' ?)' 9:/)' ' 524139' 7//2?H/' 079' 8223'
01H2 255' %1)0F

.1?' /0(5' /(?2')27.' 7%/2.')27.' H75529' /(@7)')2/' /02'
:>2' @75' 5/(' 2Q2.' 7/' /02' 5(92' 1%'/02' 827:/(%:' @(91@X' 31.'
9125' 502' 522?'/1' 07Q2' ?792' 73)'%:./02.' 18G24/(135' /1' 8(5'
7//23/(135' D02/02.' /02)' @2.2' ?7..(29' @75' 7' I:25/(13'
13' @0(40' /02' @1.9' @75R' 9(Q(929' (3' 1H(3(13X' 8:/' 7/' 7'
2Q23/5' (/' @75' 2Q(923/' /07/' /02)' ?:/:7)' @(5029' /07/' (/

‘ -‘ ‘ ‘

501: 9‘ # / (1: ; (/‘ /02)‘ @2.2‘ ?73‘ 739‘ @(%2‘ (2‘ :>2=5‘ ?7332.‘ /1@7.95‘ 02.‘ @75‘ ?7.>29‘ 8)‘ /02‘ ?15/‘ .25H24/%: ‘ 7//23/(13‘ 02‘ (Q2.)‘ @1.3‘ 8)‘ 02.‘ 52.Q73/5‘ @75‘ 7‘ 41?H.1J ?(52‘ 82/@223‘ /07/‘ 1%‘ /02‘ .1)7‘ %7?( )‘ 739‘ 02.‘ 1PQ3‘ D023‘ 502‘ 7HH27.29‘ (3‘ H:8(4‘ /02‘ ;23/ 2?23‘ 1%‘ /02‘ :>2=5‘ 01:5201 9‘ 2541./29‘ 02.‘ /1‘ 02.‘ 47..(7;2‘ 1.‘ 02.‘ 407(.X 739‘ ?1.21Q2.‘ 7/‘ 7‘ ?7;3(%(423/‘ ?751:2.792‘ @0(40‘ /11>‘ H 742‘ (3‘ .5‘ 1.32)5=5‘ .11?5‘ (3‘ 101‘ I:7.2‘ 13‘ /02‘ +#/0‘ 1%‘ 2J 8.:7.)‘ !$$*‘ /02)‘522?29‘925(.1:5‘ 1%H.14 7(?(3;‘ /02‘ 37/:.2‘ 1%‘ /02(.‘ 41332M(13‘ /1‘ /02‘ @1. 9‘ 8)‘ /02‘ :>2‘ 7HH27.(3;‘ (3‘ /02‘ 407.74/2.‘ 1%‘ 9@7.9‘ /02‘ 1:./0‘ 739‘ 79)‘ D7 92;.7Q2‘ 75‘ (6782/0‘ D119Q(2X‘ /02‘ 7//2.‘82(3;‘ 078(/29‘ (3‘ ;.2)‘ 739‘ H27.5‘ @(/0‘ 7‘ 8 74>‘ Q2(‘ N‘ 2/0(:>5 0‘ @.(/25‘ 1.742‘ D7 H1 2‘ N‘ (/‘ @75‘ 31/‘ Q2.)‘ 9(%%(4:/‘ /1‘ %(39‘ 1:/‘ /02‘ ?273(3;‘ 1%‘ /0252‘ ?75>5 0‘ F

02‘ %74/‘ (5‘ /07/‘ 7 /01:;0‘ /02‘ :3(13‘ 82/@223‘ /02‘ :>2‘ 739‘ 79)‘ D7 92;(B7Q2‘ @75‘ 31/‘ 41??:3(47/29‘ 8)‘ 02.‘ /1‘ 02.‘ %7?( )‘ /(‘ /02‘ ?13/0‘ 1%‘ :32‘ !$$+‘ /02(.‘?7..(7;2‘ 079‘ /7>23‘ H 742‘ 51‘ %7.‘ 874>‘ 75‘ /02‘ #/0‘ 1%‘ 2H/2?82.‘ !$## %‘ 02‘ (3;‘ 75‘ @2‘ 07Q2‘ 5223‘ @75‘ ;.27/)‘ ;.(2Q29‘ 739‘ 7331)29‘ 7/‘ 0(5‘ 8.1/02.=5‘ 4139:4/‘ 2Q2./02 255‘ 75‘ /02‘ (55:2‘ 1%‘ /02‘ ?7..(7;2‘ ?:5/‘ 3242557.( )‘ 41?2‘ @(/0(3‘ /02‘ (32‘ 1%‘ 5:4425J 5(13‘ /1‘ /02‘ /0.332‘ 0(5‘ 7G25/)‘ 92H:/29‘ /02‘ .408(501H‘ 1% 73/2.8:.)‘ /02‘ 1.9‘ 07342 1.‘ 739‘ /02‘ (501H‘ 1%‘ 13913‘ /1‘ (3I:((=2‘ (3/1‘ /02‘ Q7 (9(/)‘ 1%‘ /02‘ 42.2?13)‘ 739‘ /1‘ 47:52‘ 5:40

F‘ D7 H1 2=5‘ 2//2.5‘ Q1 ‘ Q‘ H‘ ++$‘ 9(/(13‘ !"V$
%‘ 02‘ 8(./(‘ 1%‘/(2‘ -.(34255‘ 1HO(7‘ 7/(97‘ /11>‘ H 742‘ 13‘ /02‘ +,/0‘ 1%‘ 7)‘ !$$L‘ 01‘ 27.(25/‘ 31/(42‘ @O(40F@2‘ 9(541Q2.‘ 1%‘ /02‘ :>2=5‘ H755(13‘ %1.‘ 79)‘ D7 92;.7Q2‘ 144:(R5 (3‘ /02‘ @(3/2.‘ 1%‘ !$#S‘ @023‘ 02‘ @75‘ 13)‘ 3(32/223‘ X 41352I:23/)‘ (/‘ @75‘ 31/‘ /(‘ 7%/2.‘ 7‘ 97 (7342‘ 1%‘ 327.)‘ /@1‘)27.5‘ /07/‘ 502‘ 8247?2‘ 0(5‘ @(%2‘ N‘ (2‘ :>2‘ 1%‘ 1:425/2. 0‘ @.(/25‘ ( )‘ D((7?5‘ /1‘ 21.;2‘ 4 @)3‘ (3‘ 242?82.‘ !$#S‘ N‘ 075‘ H.1%25529‘ 7‘ H75 5(13‘ %1.‘ /02‘ 1@7;2.‘ D7 92;.7Q2‘ 2‘ (5‘ 32Q2.‘ B.1?‘ (2.‘ 2 81@‘ 0(5‘ % 7//2.5‘ 1.()‘ D7 H1 2‘ G 1/‘ 7‘ (// 2‘ /01:;0‘ 02‘ H./2395‘ /1‘ 9(5(>2‘ (/ 0‘ +) '', ‘ #‘ Q1 ‘ (‘ H‘ LLS‘ /‘ D75 31/‘ /(‘ 7/2‘ (3‘ /(2)27.‘ !$$+‘ /07/‘ /02‘ :>2‘ /01:;0/‘ H.1H2.‘ /1‘ ?7>2‘ 7‘ %1.?7‘ 41??:3(23/(H3‘ 1%‘ 0(5‘ ?7..(7;2‘ /1‘ /02‘ .1)7‘ %7?( )‘ N‘ + # !#‘ 02‘ :>2‘ 1%‘ 1:425/2.‘ 31/(%(29‘ /1‘ /01‘ (3;‘ 0(5‘ ?7..(7;2‘ @(/0‘ ?)‘ 3(242‘ 79)‘ D7 92;.7Q2 0‘ - .‘ /+ ‘ ! ‘ ‘ ‘0 1/‘0 , 2# (‘ H‘ MMQ((‘) # 22‘ 7 51‘ 2//2.5‘ %.1?‘ D7 H1 2‘ /1‘ (.‘ ‘ 733‘ 97/29‘ 52Q2.7)‘ '" 7)‘ !$$!‘ 739‘ !V‘ :31‘

41..181.7/(Q2 2Q(92342 75 / (2) 41: 9 H.14:.2 /1 82 23/2.29 13 /02 811>5 1% / (2 -.(Q) 1:34(.:2 (/ @75 /07/ 31 @(/J 325525 079 8223 H.2523/ 7/ /02 ?7..(7;2 1%/02 :>2 739 79) D7 92;.7Q2 739 7441.9(3;) /02 ?(Q(1:5 1% 02. 52M @((23 /02) 4 7?1.1:5) 923(29 02. (; (/ /1 82 .2;7.929 75 7 @29929 (Q(%2 079 51?2 2M4:52 %1. /02(. 542H/(4(5? 3 /02 75/ 423/:.) 01(Q2Q2. /02 51 2?3 7% 0.?7/(13 1%/@1 H2.5135 ?792 82%1.2 4.29(8 2 @(/325525 @75 4135(92.29 75 5:% 4(23/ 2Q(92342 /07/ 7 ?7..(7;2 079 /7>23 H 742 3 /02 H.2J 523/ (35/7342 /02 :>2 @B023 82 (2Q(3; 0(?52 % /1 82 13 0(5 927/0R829 7/ 1.2342 079 92Q1:/) 23/.:5/29 /02 524.2/ 1% 0(5 ?7..(7;2 /1 /02 /@P1 .11?5 1% 0(5 29407?82. 1 132 5 7(35%1.9 739 (2)@P119X @0(2 /02 :40255 13 02. +V3./ 079 %1.?2.) ?792 7 5(?(7. 9(54 15:.2 /01:;0 :392. 255 51 2?3 4(.4:?5/73425 /1 02. 8.1/02.R(3R 7@ .292.(4> 2GPH2 (501H 1% M2/2. //25/7/(135 13 17/0 /1 /0(5 2%%24/ @2.2 ?792 8) /02 52Q2.7 H2.5135 .2%2..29 /1 8:/ 75 D7 H1 2 1852.Q25 23Q) (5 31 7@)2. N /(2 :>2 0 @:(/25 D7 H1 2 /1 733 N @75 79Q(529 /1 82 ?7..(29 7;7(3 @(/0 /02 (3;=5 413523/ 8:/ 02 079 /11 ?:40 52352 /1 /7>2 5:40 5( ) 41:352 /01:;0 /02 (3; @1: 9 07Q2 7 1@29 (/ 02 :>2 01@P2Q2. 5:8?(//29 /1 /02 (3;=5 H 275:.2 (% (/ 501: 9 82 /01:;0/ 3242557.) /01:;0 %:)57/(5%(29 0(?52 % @9/0 /02 Q7 (9(/) 02 (3; 523/ 0(?@P1.9 8) /02 .408(501H /07/ 75 0(5 1)7 - (;0R 3255 @75 57/(5%(29 739 75 0(5 7G25/) 079 027.9 31 18G24/(13 /1 /02 Q7 (9(/) 02 9(9 31/ /0(3> 73) %:./02. 5/2H5 3242557.) 3 %74/ /02 31(52 1% /0152 @9(1 .2H(32 7/ /02 :40255=5 2M7 /7/(13 (5 7 GH.11%/07/ /02) 7.2 413Q(3429 02. ?7..(7;2 (5 (39(551 :8 2 0 F

:/ /01:;0 /02 (3;@75 413Q(3429 1%/02 2;7 (/) 1%/02 ?7..(7;2 (/ @75 13; 82%1.2 02 41: 9 82 (39:429 /1 2M/239 0(5 /01.1:;0 %1.;(Q23255 /1 0(5 %7Q1:.(/2 8.1/02. 2./7(3)

3 D7 H1 2=5 2//2.5 Q1 Q H S#" 29(/(13 !"V$ X 739 914:?23/5 (3 H.11% 1% / (1 ?7..(7;2 H.152(BQ29 (3 /02 -.(Q) 1:34(%(41

32 1% / (2 ?15/ .2?7.>78 2 2Q23/5 @ ((48 9(5/(3;(:5 (29 /02)27. !$$+ < 7%%24/(3; 75 (/ 9(9 /02 5(3;: 7. %1./:325 1%/02)1:3;25/739 %7(.25/1%/02 (3;=5 5(5/2.5 < P/02 A:223 1% 23?7.>@75 /02 ?2?1.78 2 .2Q1 :/(13 @0(40 /023/11> H 742 (3 /07/ 41:3/.) 7.1 (32 [7/(97 /02 H15/0:?1:5 40(9 1% .292.(4> -.(342 1% D 7 25 @75 81.3 13 /02 !!/0 1% :) !$V! 739 13 /02 !5/ 1% 4/182. !$## 7/ /02 7;2 1% %(%/223 079 /02 ?(5%1./:32 /1 8241?2 /02 @(%2 1% 0.(5/(73 /02 2Q23/0 (3; 1% 23?7.> 2. 413/2?H1.7.(25 92J 54.(82 02. 75 7 /7 %7(. ;.742%: 4.27/:.2 7?(78 2 739 407.(/78 2 (3 02. 9(5H15(/(13 .2%(329 (3 02. ?7332.5 739 H15525529 1% 7 Q(Q74(/) @0(40 .2392.29 02. 514(2/) 2?(J 323/) 7;.2278 2 2. 78((/(25 739 7441?H (50?23/5 ?1.21Q2. @2.2 %7. 781Q2 /02 1.9(37.) 7Q2.7;2 02 413J Q2.529 @(/0 %74((/) (3 /02 (B2340 2.?73 /7 (73 739 73(50 73;:7;25 X 502 92 (;0/29 (3R?:5(4 739 811>5X 02. 01.52?7350(H @75 /02 79?(.7/(13 1% /02 79(25 1% 23?7.> 739 75/) @2 7.2 755:.29 /07/ 502 973429 /02 N %(325/ ?(3:2/ 0 7/ 02. 0:58739=5 41:./F

:40 @75 /02 407.?(3; -.(34255 @01 @0(2 5/(7 ?15/ 7 40(9 @75 /1.3 %.1? 7 4(.4 2 /07/ (91 (629 02. /1 8241?2 /02 @(%2 1% 7 52 %(50 739 9(551 :/2 /).73/1 02 H21H 2 1% 3; 739 @7/4029 02. 92H7./:.2 %.1? /02(. 501.25 31/ 13) @(/0 73 7%%24/(137/2 (3/2.25/ 8:/ @(/0 7HH.20235(135 @0(40 :307HH( ) /:.329 1:/ /1 82 13) /11 @2 R%1:3929 N 02 H11. A:223 1% 23?7.>0 @.(/25 (55 7 81/ /1 .5 7./2. 13 /02 S/0 1% 4/182. !$## < N(5 ;132 1:/7 132 (3/1 /02 @(92 @1. 9X 31/ 7 4.27/:.2 502 >31@5 /1 7//239 02. 73) %:./02. /073 /137 /(5 @1.52 /073 9)(3;X %1. 9(2B 502 ?:5/ /1 7 502 075 2Q2. 5223 1. >31@3 X 8:/ /02([(/ (5 13) 9)(3; 1:/ 1% 132 879 @1. 9 (3/1 731/02. G:5/ (>2 (/ 739 @02.2 502 (5 /1 07Q2 47.25 739 %27.5 739 973;2.5 739 51..1@5 /07/ @(7)2/ 82 32@ /1 02. 7) (/ H 2752

19' /1' H.1/24/' 739' (35/. : 4/' 739' 41 ? %1./' (2. ' H11.' 4 ((9' 75' 502' (5 † 739' ? 7>2' 02.' 75' ;119 ' 75' 82 1Q29 ' 739' 75' 07HH) ' 75' ' 82 (2Q2' 02.' : 3/' 1 : (57' F' @ 75 † 02)' 07Q2' G : 5/' 8223' /2 (3 ;' ? 2' 01@' 8(//2.)' 502' 4.(29' (3B' /02' 41740 ' 75' %7.' 75' 73)819)' 57@' 02. O' %' /' @75' 7' 41 ? H 7(3/' 1%' (.' 150 : 7' 2)31 95 ' @01' H7(3/29' 02.' H1./.7(/' 82%1.2' 02.' 92H7./ : .2' %.1 ?' 3 ; 739 ' /07/' (3' 41352 I : 2342' 1%' 02.' 82(3 ;' 4135/73/)' (3' /27.5' @0232Q2.' 502' 57/' /1' 0(? ' 02' %1 : 39' (/' 9(%%(4 : /' /1' 91' G : 5/(42' 2(/02.' /1' 0(5' 1.(;(37 ' 1.' /1' 0(? 52 %'GX

' 5/.73;2.' (3' 7' %1.2(;3' 739 ' 739' (3>29' /1' 7' ? 73' @01' 079' 41342(Q29' 73' 7Q2.5(13' %1.' 02.' 7 ? 15/' %.1 ?' /02' 01 : .' 1%' /02(.' ? 7. .(7;2 ' /02' 5(/ : 7/(13' 1%' /02')1((/(;' A : 223' @75' (39229' (// 2' /1' 82' 23Q(29 ' 02' 1@' 7 ? 1 : .5' (3' @0(40' 02.' 0 : 58739' (39 : ;29 < 2(/02.' @(/0' 7' N 7/02.(32' 1%' /02' 827 : /(% : ' %22/ O' 1.' 51 ? 2' 1/02.' H.2//)' 92 ? (.2H' @01' (3%7/ : 7/29' 0(?' %1.' /02' 01 : .' < ' 79929' ; .27/)' /1' /02' 9(541 ? %1./' 739' 92; .797/(13' @0(40' 8247 ? 2' 02.' 1/ ' 02' 079' 413/(3 : 29' (3' /0(5' (51 7/29' 5/7/2' %1.' 327.)' /@1')27.5 ' 739 ' (3' /02' ? 273' /(? 2 ' 079' ;(Q23' 8(./0' /1' 73' 02(.' /1' /02' /0.132' 1%' 23 ? 7.> ' @023' 02.' : 3J @1./0)' 41351./' /01 : ;0/' H.1H2.' /1' I : (/' 0(5' 91 ? (3(135 ' %1.' /02' H : .H152' 1%' H7)(3 ;' 7' H.1 13 ;29' 739' : 3H.1%(/78 2' Q(5(/' /1' 3 ; J 739' 739' 1/02.' 41 : 3/.(25 ' e' 2 (2Q29' %.1 ?' 0(5' : 3@2 41 ? 2

F' 1 : (57 ' %(%/0' 7 : 9')1 : 3 ;25/' 97 : ;0/2.'1%' 21. ;2' ' 3' 799(/(13' /1' 5/.13 ;' 52352' 739' 4135(92.78 2' H2.5137 ' 827 : /) ' 502' H15525529' ? 73)' 23927.(3 ;' I : 7 (/(25 ' @0(40' .2392.29' 02.' 7 ? 15/' 75' ;(R27/' 7' %7Q1 : .(/2' @(/0' /02' 37/(13 ' 75' 502' @75' 82 1Q29' (3' 02.' 1@3' %7 ? ( ) ' - .1 ?' 02.' 40(90119 ' (/' (5' 57(9' /1' 07Q2' 8223' 02.' 7 ? 8(/(13' /1' 8241 ? 2' A : 223' 1%' 23 ? 7.>X 7' 925(.2' @0(40' 502' (Q29' /1' 07Q2' ; .7/(%(29 ' 3' /02' L*/0' 1%' 1Q2 ? 82.' !$SL ' 502' @75' : 3(/29' /1' .292.(4> ' - .(342' 1)7 ' 1%' 23 ? 7.> ' 739 ' /0.22')27.5' 7%/2.@7.95 ' @75' 2 2Q7/29' /1' /02' /0.132' @0(40' 502' 079' 5(;029' %1.' (3' /02' 3 : .52.) ' 2%1.2' I : (//(3 ;' 3 ; 739 ' 502' 079' 1852.Q29' /1' 02.' 8.1/02. ' /02' : >2' 1%' : ? 82. 739 ' N' %' ' 7 ?' : 307HH) ' ?)' .2 7/(135' 507 ' 32Q2.' >31@' (/ O' 2.' ? 7..(29' (%2 ' 1@(3 ;' /1' /02' (3%(92 (/(25' 1%' 02.' 0 : 58739 ' @75' 31/' 7' 07HH)' 132 ' 739' 02.' 239' @75' /2. .(8 2 ' 2.' ' 927/0 ' (>2' /07/' 1%' 02.' ? 1/02. ' A : 223' 7.1 (32' @75' 14475(1329' 8)' 7' . : H/ : .2 ' @0(40' %.1 ?' ? (5/7>23' %24 (((;5' 1%' 92 (474) ' 502' 079' 13 ;' 413427 29 ' 2.' ? 1/02. ' 13' 02.' 927/0R829 ' 079' 1852.Q29' /1' 02.X < N 1 : (57 ' .2 ? 2 ? 82. ' ' 9(2' 8)' 82(3 ;' ;(99)' 739' 185/(37/2 ' 739' >22H(3 ;' ?)' 9(51.92.' 7' 524.2/' O' %/2.' : 392. ;1(3 ;' 73' 1H2.7/(13' @0(40' 75/29' 73' 01 : . ' 739' 239 : .(3 ;' 2M4. : 4(7/(3 ;' 7 ;13(25 ' 502' 2MH(.29' 13' /02' "/0' 242 ? 82.' !$V! ' /02' 97)' 7%/2.' 502' 079' 41 ? H 2/29' 02.' /@23/)R52Q23/0')27.

/' (R5' 7./2.=5' 2//2.5 ' Q1 ' (((' ' !S#

(' 1./041/2=5' 2 ? 1(.5' 1%' (.' ' 2)31 95 ' Q1 ' (' H' !V#

e' 22' 73/2 ' Q1 ' (' H' SV*' ' : #

514(4/ P / (2)1:3; A:223 94 1/29 02.52 %/1 7 (%2 1% .2/(.2J ?23/X 2?H 1)(3; 02. /(?2 (3 7//239(3; /1 02. ?7/2.37 9:/(25X (3 Q(5(/(3; /02 41//7;25 1%/02 H11. 739 7/ /02 57?2 /(?2 @(33(3; /02 027./5 1% /01:57395 8) /02 407.?1% 02. ?7332. 02. >(393255 739 02. 7% 78((/ PF 02 .2/:.3 01@2Q2. 1%/02B (3; /1 23?7.> 7HH27 =5 /1 07Q2 @.1:;0/ 7 41?H 2/2 .2Q1 :/(13 (3 /02 407.74/2. 739 078(/5 1% 7.1 (32 7/(97 2 .2/:.329 31/ 13) ?1.2 413%(.?29 /073 2Q2. (3 0(5 799(4/(13 /1 1@ 514(2/) 739 1152 7?1:.5 0:/ :3J 07HH( ) 02R 7 51 .2392.29 0(5 A:223 7 5:%%2.2. %.1?/02 2%%24/5 1%0(5 (:413/(3234) (3 7 ?7332. @0(40 31 @1?73 1% 1.9(37.) 5H(.(/ 41: 9 82 2MH24/29/1 %1.;2/ 31. H2.07H5 2Q23 /1 %1.;(Q2 % .1?/0(5 /(?2 02. ?7332.5 31/ 13%) ;.79:J 7) ;.2@ %1.@7.9 8:/ 2Q23 01 9 02 82;73 /1 (39: ;2 (3 2Q(/(25 @0(40 (% 31/ 4.(?(37 @2.2 (3 /02 0(;025/ 92;.22 (?H.:923/ -:8 (4 1H(3(13 522?5 /1 07Q2 8223 52/ .24>J 255) 8) 02. 7/ B92%(7342 3 078(/5 (3 /2?H2. 739 (3 H.(34(H 25 502 8247?2 23/(.2) 4073;29 ?13;1/02. 74/5 1% .7503255 739 %1) 502 ;7Q2 ;.27/ 1%%2342 /1 /02 ;.7Q2. 73(50 ?7/.135 8) 31/ 13) 7HH27.(3; %.2I:23/) (3 H:8 (4 (3 ?7 2 7//(.2 8:/ 8) .(9(3; (3 /07/ 415/:?2 75/.(92 (>2 7 (373 \ N 3 781?(378 2 .(9(3;R078(/ 0 @.(/25 (. 182./ 2(/0 @(/0 7 8 74> 5 1:4029 07/ 075 8223 7 ?15/ U:3(Q2.57) (3/.19:429 02.2 @0(40 ;(Q25 2Q2.) @1?73 /02 7(. 1% 73 7@>@7.9 3 7 /02 /(?2 07Q2 8223 (3 23?7.> 32Q2. 57@ /02 A:223 1:/ (3 73) 1/02. ;7.8 0 e 3 /02 ?273 /(?2 (3 41352I:2342 1% 0.(5/(73 /02 2Q23/0 E07Q(3; .29:429 0(?52 % 8) 0(5 413/(3:29 (..2;: 7.(/(25 /1 /02 ?15/ ?(52.78 2 5/7/2 1% H.15/.7/(13 81/0 1% ?(39 739 819) (/ @75 13) /1 82 2MH24/29 /07/ 0(5)1:3; 739 0(;0R5H(.(/29 41351./ 501: 9 7 (>2 /7>2 73 (3/2.25/ (3 739 522> /1 74I:(.2

F .1@3=5 N 1./02.3 1:./5 0 Q1 (HH $L $S
]' ' # BQ1 (HH "+ "L
f' ' # Q1 (HH !*L !*S
e 2?1(.5 739 1..25H1392342 1% (. 182./ (:..7) 2(/0 Q1 (H !*# #;
(. 182./ /023 1 132 2(/0 @75 7/ /0(5 /(?2 .(/(50 (3(5/2. 7/ 1H2307;23 B

)1:/0%:' A:223' ?7)'82' ; 27329'%.1?'/02' %1 1@(3;'4:.(1:5 2M/.74/'%.1?'/02' 2?1(.5'1%'/02' 739;.7Q2'1%' 2552' 7552' 02' 54232' @0(40'02'9254.(825' /11>'H 742' (3' 1//1.H' 75/2' (3'/02/1@3'1%' 40 25@(;' N 02' (3;=5'9(332.'K@75 9:' 02' A:223'7%/2.@7.95'H 7 B29'7/'A:(362' '@75'H 7429'13' 02.'.(;0/X /.:23522'R13'02.'2%/' .739/'7'32@'7..(Q7' 739'RD7.35/29/'7'407?82.7(3'41?H 2/29'/02'H7./)' ' 07.9)' (>2'/1'9254.(82' /.:23522=5'8207Q(1:.'739'/02' .2?7.>5'02'1H23)'97.29'/1'799.255'/1'/02'A:223'@0(2' 273(3;'0(5'7.?'13'/02'/78 2'4 152'/1'02.' ^D 2 T'@0) 913=/')1:'H 7)'c=< ^ 73=/')1:'027.'c=RRRRRR^!" ' # '$ # ' % '$ ' ' & ''< ' 413%255' ?)' 027./' K@75 8.1>23'/1'522'/0(5' -.(34255'2391@29'@(/0'51'?:40'52352' 739';119'I:7(/(25'%7 23'/1'5:40'7'H1(3/'739'(3/1'5:40'879' 07395 0F

02' .7H(9'739' :3?2.(/29'.(52'1%'/02'H 282(73' /.:23522' 37/:.7)' ;7Q2' ;.27/'1%%2342'/1'/02' 73(50'318 25'739' 41352I:23/)'/23929'/1'5/.23;/023=/02'H7./)'1%'/02'A:223' 1@7;2.' 1.21Q2.'/02'%7;.73/';7 73/.(25'1%'73'1854:.2' %1.2(;32.'@(/0'/02'41351./'1%'/02(.' 1Q2.2(;3'739'7'82 (2%' @0(40'079';7(329';.1:39'/07/'02'@75'2I:7)'927.'81/0'/1' /02' (3;'739'A:223'079';(Q23'.(52'/1'?73)'547397 1:5'.2J H1./5' ' -.(3/5'@2.2'H:8 (4)'2MH1529'%1.'57 2'(3'/02'501HR' @(391@5'1%'/02'5/.22/5'PH%' 1H2307;23'.2H.2523/(3;'/02' A:223'739'02.'H.25:?29'H7.7?1:.'(3'7//(/:925'1%'/02B ;.15525/'(?H.1H.(2/)' 392.'/0252'739'1/02.'4(.4:?5/73425' 7'4135H(.74)'@75'%1.?29':392.'/02'7:5H(425'1%':(737' 7.(7' %1.'52(6(3;'/02'H2.5135'1%'/02'A:223'739' /.:23522'75'@2 '75' /07/'1%'0(5'%.(239'739'413%292.7/2' 32Q1 9' .739/'R7)1:3;' ?73'1%'H 275:.2'1%';119' 8(./0'739'1%'40(Q7 .1:5'41:.7;2' 441.9(3;)'13'7'97.>'@(3/2.'?1.3(3; \'7%/2.'7'/37;3(%(423/

F (%21% 7.1(32 7/(97'A:21:'1%' 23?7.>'8)' (.' ' ' 7542 25'D.7M7 ' 7M/' Q1 '('H' +LL

É]' 22' (8813=5' 2//2.5' /1' 1.9' 02%%(2 95' <) ' R 1.(/5' HH' +SL<V' 9(/(13'!"L$'X 739'D7 H1 2=5' 2(;3'1%' 21.;2'L'Q1 '(Q'HH'!#L'+"*'+"! ' 73:7.)'!$'!$$+

&'

/02(.' %(.2R7.?5' 7/' /02' 911.5' (3' %1.4(3;' 02.' @7)' (3/1' /02' 7H7./?23/'8:/'(3'/02'?273'/(?2'/02' (3;'079'8223'(39:429' 8)' /02' 4135H(.7/1.5' /1' .2/(.2' /1' 7' 9(5/73/' H7./' 1%' /02' H7 742' 3' 02.' .2/:.3' /1' 02.' 5 22H(3;R.11?' 502' @75' 2341:3/2.29' 8)' 1:3/' 73/67:' 1:3/' (405/I9/' 739' 1/02.' 1%%(42.5'%.1?' @01?' 502' .242(Q29' 32(/02.' H(/)' 31.' 4135(92.7/(13' %' 73)J /0(3;' (39229' 41:9' 07Q2' 5/.23;/02329' /02(.' .251 :/(13' (/' ?:5/' 07Q2' 8223' /02' 5(;0/' 1%' /.:23512=5' @0(/2' 827.R5>(3' 4 17>' @0(40' 7)' (3' 02.' 7H7./?23/' 739' @0(40' 4 27.)' (39(J 47/29' /07/' 02' ?:5/' 07Q2' %1 1@29' (2P' /0(/02.'7%/2.' /02' 87 >F' 27.(3;' (3' 02.' 7.?5' 02.' 524139' 40(9' 73' (3%73/' 97:;0/2.' 1%' 13)' 5(M' ?13/05' 1 9 B%' /02' :307HH)' A:223' @75' 0:..(29' (3/1' /02' /.7Q2 (3;R47..(7;2' @0(40' 7@7(/29' 02.' 739' (3' @0(40' 73' 1%%(42.' @(/0' 7' 9.7@3' 5@1.9' /11>' 0(5' 527/' 8)' 02.' 5(92' 2.' 925/(37/(13' @75B' /02' 475/ 2' 1%' .13238:.;' 1.' .1381.;' 7R H7 7/(7' %1./.255' 781:/' /@23/)R%1:.' ?(25' 9(5/73/' %.1?' 1H2307;23' (3' @0(40' %1.' /02' 32M/' %1:.' ?13/05' 502' (Q75' 2%/F/1' 82@7(' 02.' ?(5%1./:325' 739' /1' 5H24:7/2' 13' /02' %7/2' @0(40' 02.' 232?(25' ?(;0/' 07Q2' (3' 5/1.2' %;.' 02.' 3' /02' ?273' /(?2' :392.' 4(.4:?5/73425' 1%' /02' ?15/' 9(5;:5/(3;' 739' 01..(%)(3;' 87.87.(/)' /.:23522' 739' .739/' 079' 23929' /02(.' (Q25' :H13' /02' 547%%1 9' 02' %1.?2.' 82%1.2' 07Q(3;' 8223' 8.1:;0/F' /1' /.(7' 079' ?792' 7' %1.?7' 413%255(13' 1%' /02' 4.(?(37' 37/:.2' 1%' 0(5' (3/2.41:.52' @(/0' /02' A:223FX' 7' 413J %255(13' /1' @0(40' 7.1 (32' 7/(97' 02.52 %' @75' 5:852I:23/)' (39:429' /1' 5:854.(82

EB 3' 3;739' /02' 73(50' 2Q1:/(13' 75514(7/29' 75' (/' @75' @(/0 /02' ?(5%1./:325' 739' ?(54139:4/' 1%' 7' .(/(50' -.(34255' 4.27/29' 70' 2M/.71.9(37.)' 52357/(13' A3/0G +"/0' 28.:7.)' !$$+' .5' 7./2.' @.(/25[1' .5' 252)<N 07Q2' Q2.)' (// 2' (3/2 (;2342' /1' 5239')1:' %.1?' 23?7.>' 75' /02.2' (5' 7' H.1J %1:39' 5(2G(42' 7/' /^ 7?25=5' 10' /07/' =5:8G24/' 1:' >31@

EF' ^^ 1%/023(' 1:./5 0')H B(' H' !+$' P
/' 1:(57B :;:5/7B' B81.3' /' :)' !$$!' 8247?4P/04' ?1/82.' 1%' 0.(5/(73' :;:5/:5' :>2' 1%' :;((5/238:.;

/07/ /02 :307HH))1:3; A:223 (5 (?H.(51329 (3 7 475/ 2 975029 8) /02 @7Q25 @02.2 502 (5 >2H/ (3 Q2.) 5/.(4/ 413J %(32?23/ 7?H2.5:7929)1:@1: 9 /0(3>(/ 73 7 2Q(7/(13 1% 02. ?(5%1./:325 (% 41: 9 /2 ?:(/ (5 /02 Q2.) 475/ 2 1342 07:3/29 8) 7? 2/=5 ;015/ 8:/ 1% /0(5 07Q2 31 H15(/(Q2 755:.7342X /01:;0 75 (/ (5 7/ 5(32:. /0(3> 5:40 73 (?7;(37/(13 75)1:.=5 739 ?(32 ?7) %7(.) 231:;0 ?7>2 1:/ /02 .25/ F 3 /02 2//2. @0(40 /02 (3;1% 23J ?7.>@.1/2 /1 1:.=5 02 13)?23/(1329 (3 ;232.7 /2.?5 /07/ /02 A:223 079 8207Q29 (3 7 ?7332. @0(40 18 (;29 0(?/1 (?J H.(513 02. 8:/ /07/ %.1?.2;7.9 /1 0(5 7G25/) 02. (%2 501: 9 82 57%2 0 % D 2 27.3 %.1? .40927413 1M2 /07/ 9:.(3; /02 (?H.(513?23/ 1% 7.1 (32 7/(97 7/ .13238:.; 502 144:H(29 /02 7H7./?23/5 1% /02 1Q2.31. 1% /02 475/ 2 @(/0 H2.?(55(13 /1 @7 > 13 /02 5(92 87//2.(25 739 13 /02 2795 1% /02 /1@2. G

:/ %1. /02 5H(.(/29 (3/2.H15(/(13 1% /02 .(/(50 1Q2.3J ?23/ 739 /02 H.1?H/ 1.92.5 (55:29 %1. /02 57((3;1% 7 H1@2.%: .(/(50 5I:79.13 /1 /02 7 /(4 /02)1:3; A:223 (3 7 H.1878((/) ?(;0/ 07Q2 507.29 /02 %7/2 1% /.:23522 739 .739/ e .(4 25 079 7 .279) 8223 %.7?29 7;7(35/ 02. @(/0 7 Q(2@ /1 875/7.9(5(3; 02. 40(9.23 739 H155(8) 1% 8.(3;(3; 02. /1 /02 547%%1 9 @023 /02 .(/(50 (3(5/2. 7/ /02 1:./ 1% 23?7.> (. 182./ 2(/0 23/2.29 02. 7H7./?23/ 739 (3%1.?29 02. /07/ 502 @75 31/ 13) %.22 8:/ /07/ 7 Q2552 @75 @7(/(3; /1 47..) 02. %.1?B/02 501.25 1% 23?7.> 1 1Q2.41?2 @75 502 8) /02 G1)%: (3/2 (;2342 75 /1 8:.5/ (3/1 7 % 119 1% /27.5X 7/ /02 57?2 /(?2 2?8.74(3; (. 182./ 2(/0 739 8 255(3; 0(?75 02. 92 (Q2.2. D 023 (3%1.?29 01@2Q2. /07/ 502 ?:5/ H7./ @(/0 /02 (3%73/ @0(40

F 22 &) * = > 9 4 *5)# Q1 Q HH !!V !!# 1:./0 9(/(13
]. 5 7./2.=5 2//2.5 Q1 (Q H V*
(.40927413 1M1=5 .7Q2 5 1 Q H !!+
e 22 /02 7. 1% :%%1 >=5 925H7/40 /1 (. 182./ 2(/0 97/29 7) !5/ !$$+ H.(3/29 (3 /02 2?1(.5 739 1..25H1392342 1% (. 2(/0 Q1 (H +"#

79 8223 2. 51 2 41?%1./ 9:.(3; 02. ?(52.) 739 E@0(40 502 079 02.52 %3:.529 7/ 02. 8.275/ 02. 73;:(50 >32@ 31 81:395 N 1. 51?2 /(?2 0 @.(/25 .40927413 1M2 N 502 41: 9 31/ 82 H.2Q7(29 :H13 /1 8(9 7%(37 79(2: / 23;/0 7%/2. 825/1@(3; .2H27/29 47.25525 :H13 /0(5 97. (3; 18G24/ 1% 7%%24/(13 502 .2/(.29 /1 /02 Q2552 (3 73 7;13) 1% 925H7(. 02 .2?7(329 13 924> 02. 2)25 (??1Q78 BR 9(.24/29 /1@7.9 /02 H7 742 1% .13238:.; @0(40 413/7(329 /02 40(9 /07/ 079 8223 51 13;02. 13) 41?%1./ :3/(97.>3255(3/2.42H/29 /02 Q(2@ 02 Q2552 07Q(3; ?792 8:/ (// 2 @7) 9:.(3; /02 3(;0/ 7/ 97)8.27> 502 1852.Q29 @(/0 %139 57/(5%74/(13 /07/ /02 H7 742 @75 5/(Q(5(8 2 739 41: 9 31/ 82 H2.5:7929 /1 23/2. /02 478(3 51 13;75 502 41: 9 9(541Q2. /02 %7(3/25/ ;(?H52 1% /02 87// 2?23/5 0 (

.1? .13238:.; /02)1:3; A:223 @75 2541./29 8) 7 .(/(50 5I:79.13 /1 /792 (3 731Q2. %(B1? @02342 502 @75 7%/2.@7.95 .2?1Q29 /1 /02 475/ 2 1%C2 1. 2 2 31/ %7. %.1? /02 ?17/29 9:47 527/ 1% 923 @0(40 07 % 7 423/:.) 82%1.2 079 8223 /02 54232 1% /02 47H/(Q(/) 739 927/0 1% 731/02. 827:/(%: 739 (3G:.29 -.(34255 02. ;.27/R;.739?1/02. /02 (R%7/29 -.(34255 1H0(7 1.1/027 41351./ 1% 21.;2/02 (.5/ 3/02 75/ 2 1%C2 H.1Q(929 @(/0 7 5:(/78 2 01:5201 9 739 5:..1:3929 8) 7 5?7 41:./ 1% @0(40 502 @75 /02 (91 7.1(32 7/(97 H75529 /02 .2?7(392. 1% 02. 8.(2% 739 :307HH) 2M(5/2342 2. 027./ (5 57(9 /1 07Q2 8223 7 H.2) /1 /02 922H25/ 925H139234) 7 /01:;0 m3 514(2/) 502 755:?29 7 4022.%: 3255 /1 @0(40 502 079 13;8223 7 5/.73;2. Q2.@02 ?(3; 01@2Q2. 75 D2.2 02. ?(5%1./:325 739 H7(3%: 75 079 8223 /02 4(.4:?J 5/73425 1% (39(;3(/) :392. @0(40 502 079 8223 9.(Q23 %.1? /02 1:./ 1% 23?7.> 502 2Q2. 5H1>2 1% 02. 232?(25 @(/0J 1:/ .2523/?23/ 739 @(/01:/ .2;.2/ 1% /02 4.1@3 @0(40 502 079 15/ 02 ;.27/ ;.(2% @0(40 2?8(//2.29 02. 2M(5/2342

@75 02. 52H7.7/(13 %.1?02. 1%%5H.(3; N 02 .2/7(329 0 413/(3:25 1M2 N/1 02. 75/ ?1?23/5 /02 ?15/ :37%%24/29 7//740?23/ /1 02. 40(9.23 (3 23?7.> D(/0 7 /02 73M(2/) 1% 7H7.23/ 502 ?792 .2H27/29 23I:(.(25R7%/2./02? 739 @75 92 (;0/29 @(/0 .242(Q(3;/02 ?(3:/25/ 7441:3/5 1% /02(. 027 /0 7?:52?23/5 739 29:47/(13 7Q(3;18/7(329 /02(. H1./.7(/5 %.1?1H2307;23 502 H7429 /02?(3 02. ?15/ .2/(.29 7H7./?23/ 1%/23 7H15/.1H0(629 /02?75 (% /02) @2.2 H.2523/ 739 799.25529 /02?(3 /02 /2392.25/ ?7332. 0 F

(. 7/073(2 D.7M7 < @01 @75 922H) 23;7;29 (3 7 H 1/ /1 .25/1.2 7.1(32 7/(97 /1 02. 0:58739=5 /0.132 739 @01 (3 41352I:2342 @75 79?(//29 /1 ?1.2 /073 132 4 73925/(32 (3/2.Q(2@ @(/0 02.<075 2%/ :5 73 (3/2.25/(3;74J 41:3/ 81/0 1%C2 739 1%(/5 :307HH) 144:H73/ N 02.2 @75 0 02 @.(/25 N(3 /02 75H24/ 1% /02 475/ 2 1% C2 (/5 /1@2.5 ?17/5 9.7@8.(9;2 13;;7 2.(25 739 1/0(4 %27/:.25 7 /02 54232.) .27(6(3;/02 9254.(H/(135 1% %1./.25525 @02.2 (?H.(51329 H.(3425525 @2.2 92/7(329 (3 81397;2 0 /@75 (3 132 1% /02 7H7./?23/5 1% /0(5 ;11?) %1./.255 /07/ D.7M7 /0.1:;0 /02 (35/.:?23/7 (/) 1% /02 7.13 92 24>2391.% 132 1% /02 407?82.7(35 1% /02)1:3;A:223 739 @(/0 /02 7;234) 1% 02. 413%(923/(7 #) 73/2 @75 79?(//29 /1 0(5 %(.5/ 524.2/ (3/2.Q(2@ @(/0 /0W .1)7 2M(2 3 /02 3(;0/ 1% /02 !$/0 1% 28.:7.) !$$V 02 H.(Q7/2)/11> :H 0(5 78192 (3 73 1854:.2 (33 (3 /02 5:8:.85 1% C2 @02.2 02 73M(1:5) 7@7(/29 7 .2H) /1 42./7(3 524.2/ 925H7/4025 @0(40 02 079 %1:39 ?2735 /1 07Q2 413Q2)29 (3/1 /02 07395 1% /02)1:3;A:223 N 3 /02 235:(3;?1.3(3; 0 02 @.(/25 N 74I:7(3/29 24>2391.% @75 .2/:.329 /1 ?) 413427 J ?23/ 7/ /02 (33 (3 /02 5:8:.85 2 .242(Q29 ?2 @(/0 /25/(RB ?13(25 1%G1) 739 755:.29 ?2 /07/ /02 A:223=5 (?H7/(2342 /1

F 1M2=5 .7Q2 5 Q1 Q H ! !V N .242(Q29 / ((5 732491/2 0 @.(/25 .4OJ 927413 1M2 N %.1?7 H2.513 7/ C2 @01 079 ?1.2 /073 1342 1Q2.027.9 /0(5 7%%24/(3;

54232 0

413Q2.52' @(/0' ?2' 13'/02' :8G24/' 1%' ?)' ?(55(13'/1' 3; 739' @1: 9' 31/' 7 1@' 02.'/1' H15/H132'(/' 82)139'/02' 57?2' 7%/2.J 3113 0< N 441.9(3;'/1'/02'9(.24/(135 0'7995'D.7M7 'N';(Q23' ?2'8)' 24>2391.%' 'I:(//29'/02'^ 739' .:; =13'027.(3;'/02' 475/ 2R4 14>'5/.(>2' /02' 01:.' 1%' %1:.' @.7HH29'(3'?)';.27/' 417/' 739'@7>29' /1' /02' 9.7@P8.(9;2' 3' /02' ;.27/' I:79J .73; 2' '%1:39' 73/2 ' 2' 29'?2'327.)'.1:39'/02'475/2' /0.1:;0'H.(Q7/2'H7557;25'X 739'1H23(3;'/02'911.'1%' 7'.11?' (3/1'@P0(40' 02' 79?(//29' ?2' 02' 2%/' ?2' 7 132' /' @P75' 7' 5H74(1:5' 7H7./?23/' /02'@(391@B5' 1%' @0(40' 41??73929' 7' Q(2@' 1Q2.'/02' ;7(R9235' 1%' /02' 475/ 2X 739' ' 079' 547.42)' 2(5:.2' /1' 475/' ?)' 2)2' .1:39' @023' /02' A:223' 23/2.29' @(/01:/' 73)' 7//23973/')'(3/2.Q(2@' Q(/0' 02.' 75/29' /(' 327.'7' I:7./2.'H75/' 5(M' 9:.(3;' 7 ' @0(40' /(?2'@2' 5/119' (3' /02' 2?8.75:.2' 1%' 132' 1%' /02' Q(391@B5' 5' ' 079'/023' 73' 1HH1./:3(/)' 1%' 4 152)' 2M7?(3(3;' 02.'41:3/237342' 739' H2.J 513' (/' 82(3;' 8.179' 97) (;0/' ' 507 ' 799' 7' %2@' Q1.95' 13' /07/' 5:8G24/' 2.'407.?5' 4135(5/29'H.(34(H7)'(3'02.')1:/0' 739' ' (>2'/02' (3;' 02.'8.1/02.'502'82/.7)29' 7' 0:..)'(3' 02.' 7./(4:7/(13' @023' 7;(/7/29' 1.' 27;2.X 8:/' @0(40' H24:(7.(/)'.7/02.' 7:;?23/29' /073' 9(?(3(5029' 02.' '7//.74/(135' 2.' ?7332.5' @2.2' Q2.)'(3;.7/(7/(3;<318 2')2/' 47 4:7/29' /1' @(3'/0152' @01' 7HH.174029' 02.' 39229' /1@7.95' ?2' @01' @B75' 23;7;29' 7/' /02' 07(57.9' 1%' ?)' (%2' (3' 23927Q1:.5' /1'.2H 742' 02.' 13'/02'/0.132' (/' @75' 37/:.7' /07/' 502' 501: 9' 2MH.255' ?:40' ;119R Q(' 739' 4139254235(13 0' F' 3' /0I' ++39' 1%' 7.40' !$$V' D.7M7 ' %:.3(5029' Q(/0' %.250' 4.2923/(7 5' H7(9' 731/02.' 739' 75/' Q(5(/' /1' C2 ' 3' /0(5' 14475(13' 02' @75' 5?:;29' (3/1' /02' 475/ 2' 7/' 3(;0/' N' 52/' 1:/0' 02' @.(/25' N' 82%1.2' 2(;0/' 7/' @0(40' 01:.' 73/2' 23;7;29' /1' ?22/' ?2' 02' @27/02.'@75' ?15/' /2?H25/:1:5' 7441?H73(29' @(/0' .7(3' 739' 5:40' 97.>3255' 75' .2392.29' (/' 9(%%(4:/' /1' 9(542.3' 73)' 18G24/' D023' ';1/' /1' /02' 9.7@R

8.(9;2' 31' Q7 2/' 7HH27.29X 739' 7' %2@' ?1?23/5' 7%/2.@7.95' /82' ;:7.9' 82(3;' .2 (2Q29' H75529' 4 152' /1' ?2' D.7HH29' (3' ?)' ;.27/' 417/' ' @7(/29' 31/' @(/01:/' 4135(92.78 2' 73M(2/)' /' 23;/0' 73/2' 7..(Q29' 2' 57(9' 31/' 7' @1.9' 8:/' 41Q2.J (3;' ?2' 7 ' 1Q2.' @(/0' 0(5' 7.;2' 2.?73' 4 17>' 739' 01 9(3;' 73' :?8.2 7' 1Q2.' 1:.' 02795' 02' 29' ?2' (3' 5(2342' /0.1:;0' /02' 7.40' (3/1' /02' 7.27' 1%' /02' 475/2' %.1?' @02342' 02' 413J 9:4/29' ?2' /1' /02' A:223=5' (8.7.)' 02.2' 02' 2%/' ?2' 2M01./(3;' ?2' /1' H7/(2342' (/' 82(3;' :342./7(3' 7/' @07/' 01:.' 02.' 7G25/)' @1: 9' I:(/' 02.' 41?H73)' 02' .11?' @75' (;0/29' :H' 739' /02' 811>R47525' 1H2329' 3' 781:/' /0(./)' ?(3:/25' /02' A:223' 23/2.29' /02' 7H7./?23/' 02' @75' 2 2;73/)' 9.25529' (3' 4.(?513' 57/(3' 739' 2(/02.' 079' 1.' (?J H.25529' ?2' 75' 07Q(3;' 73' 7(.' 1%' ?7G25/)' ?(3; 29' @(/0' 413R' 9254235(13P' 7 /1;2/02.' :3 (>2' 73' 1.9(37.)' @1?73' 1%' 4#39(R' /(13' :.' (3/2.Q(2@' 75/29' 327.)' /@1' 01:.5 0< N' D 023' .279)' /1' 27Q2' ?2 0' 7995' D.7M7 ' N' 502' 1H2329' /02' 911.' 8:/' .2/7(329' (/' 7' ?(3:/2' (3' 02.' 0739' 75' (%'@((3;'/1'H.1/.74/' 02.' 5/7)' 02' 32Q2.' H2.07H5' 11>29' ?1.2' 23;7;(3;'/073' 13' /07/' 3(;0/' (3' /07/' 7//(/:92' 739' (3' /07/' 9.255' 2.' 41:3/237342' 73(?7/29' D(/0' /02' H.15H24/' 1%' 02.' 7HH.1740(3;' 2?734(H7/(13' %.1?' C2 < @0(40' @75' (3' %74/' 13)' 7' .2%:;2P' 739' 73' 2M(2< 739' 73/(4(H7/(3;' 02.R.25/1.7/(13' /1' /02' /0.132' 1%' 23?7.>' @75' (;0/29' :H' @(/0' 5?(25' 739' 502' 7HH27(=29' /1' 82' (3' /02' 0(;025/' 027 /0' 2/' (%'%:/:.(/)' 41: 9' 07Q2' 8223' :3Q2(29' /1' :5' @2' 501: 9' 07Q2' 5223' 820(39' /02' 911.' @0(40' 502' 02 9' (3' 02.' 07395' /02' ^%2 ' 737/1?)=75' ^ 135/7342'=B 47 5' 0(?' 7 .279)' .7(5(3;' 0(5' 97./' /1' 5/.(>2' 02.' D(/0(3' 52Q23' @22>5' %.1?' /07/' 97)' 502')(2 929' 02.' 75/' 8.27/0 0' (' 07.(/78 2' 75' 7.1 (32' 7/(97' @75' /1' /02' H11.' 739' >(39' 4135(92.7/2' 739' 7%%78 2' 75' 502' @75' /1' 2Q2.)' 132' @01

-15/0:?1:5' 2?1(.5' Q1 ' (' HH' S*V< "
N 023' @(/0' ' H755(13' @1: 9' ' 507>2' /02' @1. 9
39' .1:52' %.1?' 5 22H' /07/' %2 ' 737/1?) 0
8 '? # 4/' L 4' S

7HH.174029' (2.' H2.513' (/' @75' 13)' 37/:.7' /07/' 02.' :32MJ H24/29' 739' 7 7.?(3;' (3255' 501: 9' 4.27/2' 7' 922H' 52357/(13' 7/' /02' 5?7 ' 41:./' 1%'@0(40' 502' @75' /02' (91 (629' ?(5/.255' 3' /02' 27.(2.' 5/7;25' 01@2Q2.' 1%' 02.' ?7 79)' 502' 7 132' 7HH27.5' /1' 07Q2' 23/2./7(329' 7' H.2523/(?23/' /07/' 02.' 239' @75' 7HH.1740(3;' N' (342' /02' ?13/0' 1%' 4/182.0' 502' 18J 52.Q29' /1' 02.' H0)5(4(73' 2)52%' N'G?:' 07Q2' /@(42' 2M/.(47/29' ?2' %.1?' Q2.)' 973;2.1:5' (39(5H15(/(135' 8:/' /0(5' 2M42295')1:.' 5>(' '>31@' '7?' 31/' @(/0(3'/02'02 H' 1%'?29(4(32 0'F' 1';.27/' 8247?2' /02' Q(1 2342' 1%'02.' 9(51.92.' /07/' 02.' H: 52' 827/' 132' 0:39.29' 739' /0(./)R132' 5/.1>25' /1' /02' ?(3:/2' 739' 82%1.2' 502' 2MH(.29' (/' @75' %1:39' (?H155(8 2' /1' 41:3/' /02?' 2/' 31/@(/05/739(3;'02.'5:(%2.(3;5' @0(40' @2.2' 2M4.:4(7/(3;' 502' ?73(%25/29' 7' H7/(2342' 739' 7' 51 (4(/:92' %1.'/02' 79(25' @01' /23929' 02.' @0(40' 23927.29' 02.' 5/(' ?1.2' /1' /0152' @01' 5:.Q(Q29' 02.' 02' H.252.Q29' 02.' 523525' 739' 5H2240' /1' /02' 75/' X 2MH.255(3;' 7 ?15/' @(/0' 02.' 9)(3;' 8.27/0' 02.' 41?H 2/2' %1.;(Q23255' 1%' /0152' 8)' @01?' 502' 079' 8223' H2.524:/29' 739' 47:?3(7/29'%'

0:5' 13' /02' !*/0' 1%' 7)' !$$V' 7/' /02' 27.)' 7;2' 1%' /@23/)R/0.22' 9(29' A:223' 7.1(32' 7/(97' /02' %7(.' 739' 0(;0R5H(./29' 5(5/2.' 1%' 21.;2' /02' 0(.9' 2.'.2?7(35' .25/' (3' /02' ;.27/' 40:.40' 7/' C2 ' (3' /02' 57?2' Q7:/' 739' 5(92' 8)' 5(92' @(/0' /0152' 1%' /02' 31' 255' 7441?H (5029' 739' :3%1./:37/2' -.(34255' 02.' 73425/.255' 1H0(7' 1.1/027'\

'%2@' @1.95' 13)' .2?7(3' /1' 82' 57(9' (3' .2;7.9' /1' /02' 37/:.2' 1%' /02' (3/2.41:.52' @0(40' 2M(5/29' 82/@223' 7.1(32' 7/(97' 739' /.:23522' 1/@(/05/739(3;' /07' H1@2.%:' 2Q(92342' 1%' 4.(?(37(/)' @0(40' 2M(5/5' /02.2' 07Q2' 8223' H2.5135' @01' 5/.23:1:5)' 739' 40(Q7.1:5)' ?7(3/7(3' /02' (33142342' 1%' /02' (R%7/29' @(%2' 1%' 0.(5/(73' /02' 2Q23/0' 1.' (35/7342' 4134:5(Q2' 75' /02' 413%255(13' 1%' /.:23522' @1: 9' 522?' /1' 82' (/' 075' 8223' 7.;:29' /07/' 0(5' 37/:.2

U' 33:7' 2;(5/2.'%1.'!$$V' 7./'+'H'S' ' @ $

d' D.7M7 =5' 2?1(.5'1%'/02' 1:./5'1%' 2.(3'n4'@ '('H' ' B((.9' ((/(13

@75 31/1.(1:5) H:5(73(?1:5 739 41352I:23/) /07/ (3 7 H.1878((/) 0(5 7552Q2.7/(13 1% /02 A:223=5 ; :(/079 8223 @.:3;% .1?0(? 2(/02. 8) /02 %27.1% /1./:.2 1. (3 /02 2MH24/7/(13 1% 57Q(3; 0(5 (%2 :/ /02 79?(55(13 ?792 8) /.:23522 (30(5 H.(513R.11? 02 079 7%/2.@7.95 7?H 2 1HH1.J /:3(/) 1% .2/.74/(3; 13 /02 547%%1 9 739 1% /07/ 1HH1./:3(/) 02 %7(29 /1 7Q7(0(?52 % 2 9(29 82 (/ .2?2?82.29 7 H23(/23/ 739 52 %R7875(3; 0.(5/(73 739 7441.9(3;) @023 /02 7@%: ?1?23/ 7..(Q29 (3 @0(40 H2.5(5/2342 (3 7 0(921:5 (2 41:9 7Q7(0(? 31/0(3; (3 /0(5 @1.9 739 0/0.27/2329 0(? @(/0 2/2.37 H:3(50?23/ (3 /02 32M/ (/ 522?5 (341342(Q78 2 /07/ 02 501:9 07Q2 7 1@29 0(?52 % /1 H755 /1 /02 H.252342 1% 0(5 7>2. @(/01:/ 07Q(3; ?792 51?2 7/132?23/ /1 73(331423/ @1?73 @01?' 02 079 4.:2) 739 8752) ?7 (;329 739 @01?' 0(5 413/(3:29 .252.Q2 @1:9 (3 7 H.1878((/) (3Q1 Q2R (3 0(5 %7/2 ¢ 3 /02 413/.7.) /1 /02 2M42 23/ 4 2.;)?73 . :3/2. @01 7//23929 0(?' /1 /02 75/ 02 ?1.2 /073 1342 51 2?3) (35(5/29 :H13 /02 /.:/0 1% 0(5 %1.?2. 5/7/2?23/5 F

:/ /01:;0 @2 ?7) 82 :3@((3; /1 ;(Q2 4.292342 /1 ?15/ 1% /02 H 275 799:429 8) /02 7H1 1;(5/5 1% 7.1(32 7/(97 /02.2 (5 132 (/ ?:5/ 02 79?(//29 @0(40 .25/(3; 75 (/ 9125 13 /02 7:/01.(/) 1% 1I:25 @01 75 H75/1. 1% /02 .2340 -.1/25/73/ 0:.40 7/ C2 7//23929 /02 A:223 13

F .:3/2. 5(1./) 7%/2. /.:23522=5 2M24:/(13 H:8(5029 13 1.441(?/ 1% 0(5 413Q2.5(13 /1 0.(5/(73(/) (3 7 7..7/(Q2 /1 @((40 (. 7?25 74>(3/150 7@7.95 ((;0 H.7(52 75 N 7 H2.%24/ ?192 1% /02 ?7332. (3 @0(40 7 H2.513 4(.4:?5/73429 (>2 /3(23524 1:;0/ /1 82 /.27/29 8) 7 >(39 739 4135(92.7/2 (3(5/2. 1% .2 (;(13 0 + ?# <)* <)# - * Q1 ((H L,$ 02 N 7..7/(Q20 @75 .2H.(3/29 8) /02 27.329 739 2Q2.239 01?75 2334 (3 !"+S /075 8223 5:;J ;25/29 8) (. 7?25 74>(3/150 /07/ N 75 . ::/2.=5 37(.7/(Q2 @75 H:8(5029 :392. /02 2) 2 1% /02 A:223=5 1HH.2 551.5 /02) ?(;0/ 07Q2 47:529 /02 413%255(135 1% /.:23522 /1 81 (352./29 (3 (/ 8) /(4(. 1@3 7;23/5 @(/01:/ 02 413523/ H2.07H5 @(/0J 1:/ /02 >31@ 29;2 1 :3/2. 0 ??29(7/2)7%/2.@7.95 01@2Q2. /02 407.(/78 2 755:?H/(13 (5 07 % 92?1(5029 N /?:5/ 82 413%25 529 0 7995 (. 7?25 N /07/ (3/2.37 2Q(92342 9125 31/ %7Q1:. /0(5 0)H1/025(5 %1. /02 H7557;25 1% /02 7..7/(Q2 @0(40 413/7(3 /02 7Q1@7 5 1% /3(23522 07Q2 7 5/.(>(3;7HH27.7342 1% ;23:(32J 3255 0 <)# -4;* Q1 ((H S** 22 . :3/4.=5 N 7..7/(Q2 1% /02 13J Q2.5(13 739 27/0 1% 1:3/ /.:23522 -.(3/29 %1. 739 (Q(3;/13X0 +39 9(/(13 !"+V

02.‘ 927/0829‘ (5‘ 42./7(3)‘ 9254.)(3;‘ 1%‘ .25H24/%:‘ 4135(92.7J /(13‘ N‘ ?15/‘ 2Q2.)‘ 97) O‘ 57(9‘ ‘ 1I:25‘ N‘A:223‘ 7/(97‘ :529‘ /1‘ 5239‘ %1.‘ ?2‘ /1‘ .279‘ 1.‘ 413Q2.52‘ @(/0‘ 02.‘ 1.‘ 5/(‘ 1%/232.‘ /1‘ 4135:/‘ ?2‘ .25H24/(3;‘ /02‘ H11.‘ 1%‘ ?)‘ 9(5/.(4/‘ @01?‘ 502‘ 925(.29‘ /1‘ .2 (2Q2‘ :.(3;‘ /02‘ 75/‘ 97)5‘ 1%‘ 02.‘ (%2‘ ‘ 8247?2‘ 5/(‘ ?1.2‘ 755(9:1:5‘ (3‘ ?)‘ Q(5(/5‘ 739‘ ‘ @75‘ @(/0‘ 02.‘ /(‘ G:5/‘ 82%1.2‘ 502‘ 9.2@‘ 02.‘ 75/‘ 8.27/0‘ 01:;0‘ Q2.)‘ %228 2‘ (3‘ 819)R‘ 502‘ 079‘ H.252.Q29‘ 7 ‘ 02.‘ H.252342‘ 1%‘ 3(?9‘ %/2.‘ ‘ 079‘ .24(/29‘ /1‘ 02.‘ /02‘ H.7)2.‘ %1.‘ /02‘ 9)(3;‘ 1I:25 57(9‘ 502‘ (3‘ 7‘ Q1(42‘ /07/‘ 522?29‘ /1‘ .241Q2.‘ 5/.23;/0‘ (3‘ /02‘ 2%(8./‘ ‘ 7?‘ ;1(3;‘ /1‘ 7HH27.‘ 82%1.2‘ 19‘ ‘ 31@‘ H.1/25/‘ /07/‘ ‘ 7?‘ (331423/‘ 1%/02‘ ;:(/‘ (?H:/29‘ /1‘ ?2‘ 739‘ /07/‘ ‘32Q2.‘ @75‘ :3%7(/0%:‘ /1‘ ?)‘ 0:58739 3‘ 7 ‘ ?)‘ 413Q2.57/(135‘ @(/0‘ /02‘ A:223‘ 502‘ 079‘ 32Q2.‘ :3/(‘ /07/‘ ?1?23/‘ 7 :929‘ (3‘ /02‘ ?15/‘ 9(5/73/‘ ?7332.‘ /1‘ /02‘ 407.;25‘ 8.1:;0/‘ 7;7(35/‘ 02.O‘F 3‘ 799(/(13‘ /1‘ /0(5‘ .2?7.>78 2‘ 5/7/2?23/‘ 31‘5 (;0/‘ (3/2.25/‘@75‘2M4(/29‘7‘)27.‘ 1.‘/@1‘5(342‘ 8)‘ /02‘ H:8(47/(13‘ 1%‘ 7‘ 2//2.‘ H:.H1./(3;‘ /1‘ 07Q2‘ 8223‘ @.(//23‘ 8)‘ 7.1(32‘ 7/(97‘ (3‘ 02.‘ 9)(3;‘ 01:.5‘ /1‘ 02.‘ 8.1/02.‘ (3;‘ 21.;2‘ /02‘ 0(.9‘ 413/7(3(3;‘ /02‘ ?15/‘ 51 2?3‘ 7552Q2.7/(135‘ 1%‘ 02.‘ (33142342‘ N‘ O‘T O /02‘ 2//2.‘ H.1J 42295‘ N‘ /07/‘ (/‘ ?(;0/‘ H 2752‘ /02‘ ?(;0/)‘ /1‘ 413Q(342‘ /02‘ @1. 9‘ 7%/2.‘ ?)‘ 927/0‘ /07/‘ ‘ 9(9‘ 31/‘ 9252.Q2‘ 73)‘ 1%‘ /02‘ %.(;0/%:‘ 744:57/(135‘ 8)‘ @0(40‘ /02‘ 47 :?3(25‘ 1%‘ ?)‘ 232?(25‘ 5/7(329‘ ?)‘ 407.74/2.‘ @1:3929‘ ?)‘ 027(B/‘ /.79:429‘ ?)‘ 0131:.‘ 739‘ /.7?H 29‘ 13‘ ?)‘ 9(;3(/)‘ (.2‘T 82 (2Q2‘)1:.‘ 9)(3;‘ 5(5/2.<7‘ A:223‘ 739‘ 2Q23‘ ?1.2‘ 7‘ 0.(5/(73<P@01‘ @1:9‘ ;762‘ @(/0‘ /2..1.‘ 13‘ /02‘ 1/02.‘ @1.9‘ (%‘ 02.‘ 75/‘ 413%255(13‘ @2.2‘ 7‘ %7 520119‘ ‘ 9(2‘ @((3;)X‘ %1.‘ /02‘ :307HH)‘ 8 255‘ /02‘ /1?8 O‘ %

F‘ W?1(.25‘ 92‘ ‘ 7 4>235>(1 9‘ %%(4(2.‘ W3W.7‘ 9735‘ 2‘ 2.Q(42‘ 92‘ ‘ ‘ 731(52‘ H‘ +LV‘ I:1/29‘ 8)‘ 7.‘ /7301H2‘ (3‘ ((5‘ (5/‘ 1%‘ 3;739‘Q1‘Q‘H‘%A # 7 4>235>(1 9‘ @01‘ @75‘ (3Q1 Q29‘ (3‘ /02‘ .:(3‘ 1%‘ /.((13522‘ 739‘ @01‘ (3‘ 41352I:2342‘ 5:%%2.29‘ %1:.‘)27.5 (?H.(513?23/‘ (3‘ /02‘ %1./.255‘ 1%‘ :3>01 ?‘ 13‘ 7‘ .14>‘ 1HH15(/2‘ .13/02(?‘ 9(29‘ 7/‘ 7:57332‘ (3‘ 2H/2?82.‘ !"+*‘ (3‘ /02‘ 2(;0/)R/O(.9‘)27.‘ 1%‘ 0(5‘ 7;2]‘ (%1‘ 1%‘ 7.1(32‘ 7/(97‘ A:223‘ 1%‘ 23?7.>‘ 8)‘ (.‘ ‘ ‘ 7544 45‘ D.7M7 ‘ 7./‘ Q1‘ (((‘ HH‘ +V+‘ +VL

0(5' N'4134 :5(Q2'0' 914:?23/ < 75'@2'7.2'/1 9'8)'/02'?15/' .2423/'8(1;.7H02.'1%' A:223' 7.1(32' 7/(97' (.' 7542 25' D.7M7 <@75' H 7429' 7/' 0(5' 9(5H157' 8)' /02' :40255' 1%' :;:5/238:.;' @01' @75' H2.?(//29' 8)' /02' 7/2' (3;' 1%' 731Q2.' /1' /.7354.(82' (/' %(B1?' /02' 1.(;(37' 914:?23/' H.2J 52.Q29'7?13;'/02'.1)7'7.40(Q25'(3'/07/'>(3;91?' 2Q2./02J 255' 0(;0' 75' /0(5'7:/01.(/)'7HH27.5'/1'82'/02'914:?23/'@1:9' 522?' /1' 82' 1%' ?15/' I:25/(1378 2'7:/01.(/)' 7Q(3;' 51?2' .27513'/1'91:8/'(/5'Q2.(/)' /02'7:/01.'7HH (29'%1.'(3%1.?7/(13' 13'/02'5:8G24/'/1'0(5' M42 234)' 1:3/' (2 ?7352;;2'/0.1:;0' @0152' >(393255' 02' 075' 8223' %7Q1:.29'@(/0' /02' %1 1@(3;' 41??:3(47/(13' 92.(Q29' %.1?' /02' ?15/' 4.29(8 2' 1%((4(7' 7:/01.(/)'(3' 731Q2.' N 3'/02'.1)7' (731Q2.(73' .40(Q25' /02.2' (5'31/' /02' 2//2.'7 :929'/1'1%'/02' 7/2' A:223' 7.1(32' 7/0(92'1%' 732?7.>' 1 2)'/02' 1)7' :52:?'413/7(35' ' #'41H)'1%' 7' 2//2.'H.2/239(3;' /1'82'@.(//23' 8)'/02B 57(9' 7/2' A:223'13'02.'927/0R829'/1'02.'.1)7'8.1/02.' (3;' 21.;2'/02' 0(.9'1%' .27/' .(/7(3'739'(/'(5'H.25:?29'/07/' /02' :40255' 1%' :;:5/238:.;'@75'H2.?(//29' 8)'/02' 7/2' (3;' .325/' :;:5/:5= 7G25/)' /1' /7 G2' 7' 41H)'1%' /0(5' H.(3/29' 41H)'31@'(3'/02' 7?()' :52:?' 1.@7.9(3;' /1')1:'731/02.'41H)'1%' /0(5'H.(3/29' 2//2.' '%22'(/'?)'9:/)'/1' 74I:7(3/')10'%:./02.'/07/'/02'@2 R(3%1.?29'1%%(42.5' 1%' /02' 1)7' .40(Q25' 7.2' 5/.13;)' (?H.2552 9' 1%' /02' 1H(3(13' /07/' /02' 57(9' 7/2' A:223' 9(9' 32Q2.'@.(/2' 31.'41: 9' @.(/2' 13' 02.'927/0R829'5:40' 7' 2//2.'739'/07/'/02'H.2/23929' 2//2.' 1%'02.' 7G25/)'(5'31/0(3;'8:/'/02'@1.>'1%'132'1%'02.'%.(2395' (3' 3; 739'@.(//23' 7%/2.'02.'927/0' 739' /023' /.735 7/29' 02' 0(5/1.)'1%'02.' 7G25/)=5' 75/'(3255' 739' 1%'02.'927/0' (5' 02.2' @2 ' >31@3' 739' 2M4:925' 7 ?15/' /02' KH155(8((/)' 1%' 02.' @.(/(3;' 739' %1.@7.9(3;' 5:40' 7' 2//2.' /1' 02.' .1)7' 8.1/02.=F

' F' 1' (2' 7.13' 13' 7 1./(2' ((((5/2.'739R (73(82.7(3'/1' ' ' (2' (3;'1% 731Q2.' /02'7:/01.'82;5' /1'.1/3?'0(5'825/'/073 45'%1.'8(5'>(393255'739'/B1:./25)'(3' 47:5(3;'0(?'/1'/'2 5:HH (29'@(/0'7'41H)'1%' /02'9(5H:/29' 2//2.'1%' /01' A:223'1%' 23F

02)27. !$$+ @75 .(%2 @(/0 91?25/(4 47 7?(/(25 /1 21.;2 /02 0(.9 2 @75 5/(239:.(3; /02 H7(3 739 ?1./(%(47/(13 14475(1329 8) /02 ?(5%1./:325 739 /7(3/29 .2H:/7/(13 1% 0(5 5(5/2. /02 A:223 1% 23?7(4 @023 927/0 .18829 0(? 1% 0(5 75/ 5:.Q(Q(3; H7.23/ /02 ?:40R78:529 -.(34255 1% D 7 25 N 02 32@5 1%/02 927/0 1%/02 -.(34255 1% D 7 25 0 @.(/25 (. 182./ 2(/0 /023 .(/(50 0 (3(5/2. 7/ 1H23J 07;23 N 7%%24/29 ?2 5(342.2) 1: 7 >31@ 01@ ?:40 /01:;0/ ?)52 % 0131:.29 8) /02 ;119 1H(3(13 1% /07/ -.(34255 @01 7? %(.?) H2.5:7929 H15525529 75 ?73) (3/.(35(4 ;119 I:7(/(25 739 75 ?:40 7%%78((/) 1% /2?H2. 75 73) 79) (3 :.1H2 02 9(5/.25525 1% 1:. @1./0) 51Q2.2(;3 7.2 (39229 ?73(%1 9 X 739 (% 2Q2. (3; 9252.Q29 /02 /2392. 7%%24/(135 1% 0(5 5:8G24/5 75 @2 75 /02(. 1829(2342 @2 ?7) 57%2) 57) @(/01:/ % 7//2.) /07/ 02 (5 /07/ (3;TO F

02 927/0 1%/02 -.(34255 /11> H 742 7/ 7./13 1:52 13 /02 "/0 1% 28.:7.) !$$+ (3 /02 %(%/)R/0(.9)27. 1% 02. 7;2 02 079 5:%%2.29 922H 9(5/.255 %.1? /02 ?(54139:4/ 739 %11 (50 ?7..(7;2 1% 02. 513 /02 :>2 1% :?82. 739 X 739 ?1.2 .2423/) /02 9(5;.742 739 92H15(/(13 1% 02.)1:3;25/ 97:;0/2. H1/ 13) H :3;29 02. (3/1 5/(52Q2.2. 7%% (4/(13 8:/ 7.2 57(9 /1 07Q2 075/2329 02. 239 Q23 02. 7.40R?7(;32. D 7 H1 2 79?(/5 /07/ 02. %1./(/:92 9:.(3; 02. 13; 739 7;13(5(3; (3255 @75 N(3Q(34(8 2 0< N 02 41:9 5@7 1@ 0 02 @.(/25 N 8:/ @(/0 ;.27/ 9(%%(4:/) 739 31/ 231:;0 /1 ?7(3/7(3 (%2 13; /(?25 02. 5:%%2.(3;5 739 02. 5/.:;; 25 /1 0(92 /02? @2.2 51 ?:40 82)139 02. 5/.23;/0 /07/ 502 %.2I:23/) %7(3/29 739 @75 /01:;0/ 9279)2/ @1: 9 502 31/ 7 1@ 502 @75 (2Q23 /1 02. 40(9.23 X 31. @1: 9 502 5:%%2. 7 5(3; 2 H0)5(4(73 1. 5:.;213 /1 (35H24/

?7.> 75 @2 75 @(/0 /02 (3%1.?7/(13 ;(Q23 (3 /02 /2M/ (. 7542 25 D.7M7 522?5 31/ /1 07Q2 8223 7@7.2 /07/ /02 2//2. .2%2..29 /1 079 7.279) 7HH27.29 (3 H.(3/ (3 /02 4 32@5H7H2. 1% 73:7.) +$!"V+ %.1? @02342 (/ @75 /.735%2..29 /1 /02 H7;25 1% /02 ! B Q1 /Q(H V*V %(.5/ 2.(25

F 2?1(.5 739 1..25H1392342 1% (. 182./ 2(/0 Q1 H +V"

L*

02.' /0.17/' /.:5/(3;' 02.52 %' 51 2)' /1' 7' 2.?73' H7;2' @01' 079' 51?2' ?29(47' >31@ 29;2'X 739' ;1(3;' 1:/' /1' /7>2' /02' 7(.' 13;' 7%/2.' (/' @75' 2MH24/29' /07/' 502' @1: 9' 9(2' (3' 02.' 41740 0' F' ?15/' :H'/1'/02' 01:.' 1% 02.' 9(551 :/(13' 31/' 132' 1% 02.' 40(9.23 < 31/' 2Q23' 02.' 2 925/' 97:;0/2.' /02' :40255' 1% .:35@(4>' @01' @75' 4135/73/)'@(/0' 02.< 41: 9' H2.42(Q2' /07/' 502' 23/2./7(329' 73)' 7HH.20235(13' 1% 02.' 973;2.' 2/' 502' 41: 9' 547.42)' 07Q2' 8223' (3' (;31.7342' 1% 02.' .27' 4139(J /(13' N 02' 079' 2M(5/29 0' @.(/25' D 7 H1 2' N 13 41.9(7 5' 7 132' %1.' /23' 97)5' %.1?' /02' /(?2' 502' 079' .242(Q29' /02' %7/7' 32@5'G.1?' 23?7.>' 739' 9(29' 82%1.2' 502' 41: 9' 027.' 7;7(3' %.1?' 02.' 97:;0/2. 0' 02' (3;' 7HH27.5' /1 07Q2' 8223' :3.2R' ?(//(3;'(3' 0(5' 7//23/(135' /1 0(5' ?1/02.' 9:.(3;' 02.' 75/' (3255' X 7//239(3;' 02.' 2Q2.)' 2Q23(3;'@(/0'/02' A:223' 7/'2(;0/' 1=4 14>X 739' 13' /02' 3(;0/' 82%1.2' 502' 9(29' @023' 02.' 239' D75' 2Q(R' 923/)' 9.7@(3;' 327.' 73/(4(H7/(3;' 0(5' Q(5(/' 8)' 73' 01:.' 13' UH.2/2342' /07/' 02' (79' ?(5/7>23' /02 /(?2' 228 2 B01QP2Q2.R' 75' 502' @75 739' 2M4.:4(7/(3;' 75' @75' 02.' 9(51.92.' 7' 47342.' (3' /02' 8.275/X 39/@(/05/4P39(3;' ?1.21Q2.' /07/' 502' 079' 8223' 52(629' @(/0' 413Q:5(135' (3' /02' 41:.52' 1% /02' 97)' 502' 31/P' 13)' 7.152' 739' 9.25529' 02.52 %' /1' .242(Q2'/ (2' (3;' 739' A:2H3' 8:/' 92/7(329' /02?'93' 413Q2. 7/(4/7B@(/0' 02.R%1.' %1:.' 01:.5' %' 3' H7./(3;' @(/0' /02?' 502' 2Q23' 2MH.25529' 73' 1H(3(13' /07/' 502' 501: 9' H755' 7' /.73I:('3(;0/' B 2%1.2' ?1.3(3;' 01@2Q2.' (/' 8247?2' 2Q(923/' 31/' 13)' /1' 02.' 7//23973/5' 8:/' /1' 0H.52 %' /07/' 02.' 239' @75' .7H(9)' 7HH.1740(3;' ' 501./' /(?2' 82%1.2' 502' 2MH(.29' 502' 23I:(.29' 1% 02.FF' H0)5(4(73' 01@' 13;' 02' 4135(92.29' 502' (0(;0/' (Q2'¢ -2.42(Q(3;' /07/' 02' 025(/7/29' /1' 735@2.' /02' I:25/(13' /' (5' 31' ?7//2.0' 502' 79929R' N' %1.' ' 07Q2' 31/0(3;' /1' 57) ?2/0.:;/1' 91' 73931/0(0;91' 27Q2XO ' /' 5(M' 1=4 14>' (3' /02' ?1.3(3;' 502' 2MH(.29' @(/01 /' 7' ;.173' N' 02' 47 ?3255' 739' 41?H15:.2' 1% 02.' 927/0 0' @.(/25' (501H

F' D 7 H1 2=5' 2(H3' 1% 21.;2' L')1 ' (Q' H' LVV
]' D 7 H1 2=5' 2//2.5' Q1 ' Q' H' 9' !"V$
(' /5' 7./2.=5' 2//2.5' Q1 ' (Q' H' #!' X 33:7' 2;(5/2.' %1.' !$$+' H' $+

2@/13' N'@P2.2'%:./02.'H.11%5'739'7//25/7/(135'1%'/02';119J 3255'1%'02.'(%2'X'739'502'9(29'75'502'079'(Q29'82 1Q29'739' 7?23/29'?15/'8)'/0152'@01'>32@'02.'825/ O

2/25/29'75'B/02'-.(34255'@75'8)'/02' 3;(50'37/(13'13' 7441:3/'1%' 02.'H1(/(47'4139:4/'739' 8 7?78 2'75'@2.2' /02'37(QR?(3929'H.(34(H 25'13' QO(40'502'29:47/29'02.' 40(9(=23'/02.2'473'82'(//2'91:8/'/07/'/02'H.7(52'1%' (501H' 2@/13'@75'31/':39252.Q29'/'@75'?:40'/1'02.' 4.29(/'/07/'7%/2.'/02'927/0'1%'02.'0:58739'-.(342' .2RX' 92.(4>'/02'7.;2'928/5'@0(40'02'2%/'@2.2'9(5407.;29'8)' (02.'1:/=1%'02.'733:7'(341?2=@(/01:/'73)'7HH(47/(13'%1.'7(9' /1'-7.(7?23/'1M'2Q23'/1'/02' (3;'02.'513' /('?1.2' 4.29(/78 2'/1'02.'@2.2'02.'?:3(%(423/'74/5'1%'H.(Q7/2'407.(/)' 1'255'7'5:(3'/073B'/23'/01:5739'7')27.'@75B2MH23929'8)' 02.'(3'H235(135'/1'?2.(/1.(1:5'(39(Q(9:7 5'739'(3'/02'5:HH1((X' 1%'(39(;23/'%7?((2('%2@'1%'@09(qF'(/'R(5'57(9'@2%2'?792' 7@7.2'/('7%/2.'02.'927/0G'1%'/02'37?2'1%'/02(.'8232%74/.255'%' /'3((7)'82'..(23/(1329'75'7'H 275(3;'(35/7342'1%'[82.'>(393255'B U1%'027./'/07'502'F.23/29'7'01:52'13' 2@' .223'B'%1.'/02' 2MH.255'H(3HI52' '502/2.(3;'5:40'7;29'739'(3%(.?'52.Q73/5' 75X079'52.Q29'02c'13;'739'%7(/0%:)' 0:5'?:3(%(423/)' 9(9'502=2/H239'/02'(82.7'(041(32'825/1@29':H1(/'02.'8)'/02' H21H 2'1%B 3;%739.'=R 0:5'/11'(5'2MH 7(329'/02'2MH.255(13<' @0(40'502'?792':52^1%'(%/'02.'9)(3;'?1?23/5'/07/'502'(r9' N'31/0(3;'/1'27Q2X' P7'5/7/2?23/'@0(40'@1:9'522?'/1'07Q2' 8223'(/2.7)'/.:2

3'/02'!5/'1%' 0)'!$ S'9(29'7/' 1 739' 1:52' 23J 5(3;/13B73'/0'5(M/)R3(3/0')27%'1%'0(5'7;2GRg23.)' 1M' 1.9' 1 739' N' 1.9' 1 739 0'@./(25'D7H1 2'/1' 733'13'/02' !V/0'1%' 7)'0b 9.7;5'13'7'@.2/4029'(%2'739' 79)' 1 739' (5'9)(3;'1%'h'47342.0' 2/'/01:;0'781:.(3;':392.'?73)' 7%% (4/(135'0(5';23(7'0:?1:.'5H7.>29'/1'/02' 75/' -(2'@75

F' (501H' 2@/13=5' (%1'1%' (?52%'D1.>5'Q1'('H'!LL
]'5 #Q1'('H'!LLB
d' D7H12=5' 2//2.5'Q1'Q('H'"#' 9'!"V$

L+ ' ' ' ' &

13' 0(5' 927/0R829' (/' (5' 57(9' @023' 02' @75' /1 9' /07/' 21.;2' 2 @)3 < N @0152' H755(13 0' /1' :52' /02' @1.95' 1%' 0(5' %.(239' D 7 H1 2' @75' N /1' 522' 41%%(35' 739' 41.H525' 739' 2M24:J /(135' 0' F < 079' 47 29' /1' 23I:(.2' 7%/2.' 0(5' 027 /0' N' 02' 32M/' /(? 2 0' 02' 57(9' N /07/' .' 2 @)3' 47 5' 501@' 0(?' :H' ' (%' ' 7?' 7 (Q2' ' 507 ' 82' 92 (;0/29' /1' 522' 0(? X' (%' ' 7?' 9279' 02' @(' 82' ; 79' /1' 522' ? 2 0' %' 79)' 1 739' 5:.Q(Q29' 02.' 0:58739' 13)' /@23/)R/0.22' 97)5

F' D 7 H1 2=5' 2//2.5' Q1 ' ((' H' +++' 9(/(13' !"V$
]' 2 @)3' 1..25H ' Q1 ' (' H' V

- ' &&

0(.23' 1%' 21.;2' < 1?25/(4' (%2' 1%' /02' 1)7' 7?( )' 7/' 2@< 02' (3;=5' 07 ((/5' 1%' 8:5(3255< 2?H2.7342< -2.5137' 41:.7;2< 1.7' IP:7 (/(25< (5/7>25' (3'H1 (/(47'H1 (4) < - 27573/.)'1%'0(5'?7332.< 2352' 1%'0(5'.2 (;(1:5'18 (;7/(135<' 25H24/' %1.' (5523/2.5< 02' -.(?7/2' .28:>29< 73475/2.' 739' -1H: 7.' 9:J 47/(13< 02' (3;=5' H.1/24/(13' 1%' 7;.(4: /:.2' 739' (/2.7/:.2< (5' (3/2.41:.52' @(/0'2?(323/' (/2.7.)'?23< D(>25'739' .73> (3'13'/02'407.74/2.'1%' 21.;2'

' /02' 7%%24/(135' 1%' 0(5' A:223' 739' (3' /02' 514(2/)' 1%' 0(5')1:3;' 739' .7H(9)' (34.275(3;' %7?( )' /02' (3;' %1:39' 31' 5 (;0/' 41?H2357/(13' %1.' /02' 155' 1%' 0(5' .2?7(3(3;' H7.23/' 739' /02' ?(54139:4/' 1%' 0(5' 8.1/02.5' 739' 5(5/2.' U 2%1.2' /02' 5H.(3;' 1%' !$$S' A:223' 07.1//2' /01:;0' 13)'(3' (2.' /0(.R' /(2/0(')27.' 079' ;(Q23' 8(./0'/1' 31' %2@2.' /073' /23' 40(9.23X' (34 :9(3;' (3' 799(/(13' /1' /0152' @0152' 8(./05' 07Q2' 7.279)R' 8223' .241.929' :;:5/:5' .292.(4>' 7%/2.@7.95' :>2' 1%' :552M' 81.3' 13' /02' +$/0' 1%' 73:7.)' !$$L' 739' 91 H0:5' .292.(4>' 7%/2.@7.95' :>2' 1%' 7?8.(9;2' 81?' 13' /02' +S/0' 1%' 28.:7.)' !$$S' K 02' 40(9.23' @01?' 5:852I:23/)' /1' /07/' 97/2' 502' 81.2' F02.' 0:58739' @2.2' /02' -.(34255' 7.)' 7%/2.@7.95' :40255' 1%' 7:425/2.' 81.3' +V/0' H.(' !$$#' X' /02' -.(34255' 1H0(7' 81.3XL.9' 1Q2?82.' !$$$H -.(342' 4/7Q(:5' 81?' +L.9' 28.:7.)' $$,' X' -.(342B %.29' 01.3' ++39' 2H/2?82.' !$"*X' 7((9' /02' -.(34255' ?2 (P' F8I.3' $/0' :;:5/' !$"L' R

.1?' /02' H23' 1%' 132' @01' @75' H.1%25529)' 413324/29'@(/0' /02' 1:./' @2' 07Q2' 73' (3/2.25/(3;' H(A/:.2P'5 2/4 29' (3' /02' 5:??2.'1%' !$$V' 1%' /02' 91?25/(4' (%2' 739' 078(/5B1%' 21(;2' /02' 0(.9' 739' 0(5' A:223' @023' .25(923/' 7/' 2@' N' 02(.' ?7J G25/(25' .(52' 7/' 5(M' (3' /02' ?1.3(3;' 739' 23GHB)' /02' /BDP15:44229(3;

' ' ')

1(7.5 (3 7 ?7332. @0(40 /02) 47 /02(. 1@3 / 2(;0/ /02
-.(342 1% D7 25 /02 (501H 1% 5370:.; F /02 -.(34255
1)7 739/02 -.(3425 D((7? 739 9@7.9 7.28.1:;0/%.1?
/02(. .25H24/(Q2 7H7./?23/5 /1 8.27>%75/ @(/0 /02(. (:5J
/.(1:5 H7.23/5 / 3(32 /02)1:3;2. 40(9.23 7//239 /1 (5H
1.5?(2 /02(. ;119 ?1..1@5 X 739 @0(5/ /02 %(Q2 2 925/ 7.2
4 152) 7HH)(3; /1 /02(. /75>5 /02 (// 2 1325 739 /02(.
3:.525 H755 /02 @01 2 ?1.3(3; (3 (4 :3139 ;7.9235 02
(3; 739 A:223 %.2I:23/) 7?:52 /02?52 Q25 @(/0 5(//(3;
(3 /02 .11? @0(2 /02 40(9.23 9(32 739 1342 7 @22>
7//23929 8) /02 @01 2 1%%5H.(3; (3 H7(.5 ?7>2 /02 (// 2
92 (;0/%: /1:. 1% (40?139 ;7.9235 3 /02 7%/2.3113
@0(2 /02 A:223 @1.>5 /02 (3; .2795 /1 02. 3 /02
2Q23(3; 7 /02 40(9.23 7;7(3 H7) /02(. 9:/) 7/ 2@
1:52 82%1.2 /02) .2/(.2 /1 829 739 /02 57?2 1.92. (5
1852.Q29 /0.1:;0 2740 .2/:.3(3; 97) 02 51Q2.2(;3 (5
/02 %7/02. 1% 0(5 %7?( ) 1/ 7 ;(=(2Q7342 .274025 0(5
>31@ 29;2 /07/ .2?7(35 :3.29.25529 31. 7 407.74/2. 1%
?2.(/ 1. (3;23:(/) 9(5.2;7.929 51 /07/ 0(5 H.(Q7/2 4139:4/
?:5/ 82R 7 1@29 /1 82 31 255 2M2?H7.) /073 (/ (5 /.:)
7?(78 2 M2.4(52 7(. 739 (;0/ 9(2/ 7.2 /02 ;.739 %:3J
97?23/7 5 (3 /02 (3;=5 (927 1% 027 /0 (5 7G25/) %2295
40(2%) 13 Q2;2/78 25 739 9.(3>5 8:/ (// 2K @(32 02
A:223 (5 @07/ ?73) H.(Q7/2 ;23/ 2@1?23 @1: 9 47 @0(?J
5(47) 785/2?(1:5X %1. 7/ 7 /78 2 41Q2.29 @(/0 97(3/(25
502 H.2%2.5 /02 H 7(325/ 739 5(?H 25/ 9(50 739 52 91? 27/5
1% ?1.2 /073 /@1 /0(3;5 7/ 7 ?27 2. @7.9.182 (5
4073;29 2Q2.) /0.22 ?13/05 X 739 @0(2 /02 318(/) 7.2
27;2./1 5:HH) /02?52 Q25 @(/0 %1.2(;3 /.(% 25 02. 47.2 (5
/07/ 31/0(3; 8:/ @07/ (5 3; (50 507 82 H.1Q(929 %1. 02.
@27.0

3 02 (3;=5 524139 513 .292.(4> 079 31/)2/ 8223 4.27/29 :>2 1% 1.> 2
@75 /02.2%1.2 47 29 7%/2. 0(5 /(/ 2 1% (501H 1% 5370:.; /1 @0(40 22 02 079 8223
2 24/29 13 /02 +$/0 28.:7.) !$#S @023 13) 5(M ?13/05 1 9
 ] N >2/40 1% /02(. 7G25/(25 91?25/(4 (%2 7/ 2@ 9:.(3; /02 :??2. 27513
& !$$V H7./ + H !

?13;/0152@01781:/0(5H2.(19@2.27%%1.929%7Q1:.J 78 2 1HH1./:3(/(25 1%H755(3;G:9;?23/13/02407.74/2.739 4139:4/1%/02 1:./@75 .2@/13(501H1%.(5/1 @01(3 1352I:2342 1%7?15/:3(3/2..:H/29(027/0079 8223 41?H2 29/1/7>2:H0(5.25(92342 7/ 2@(3H.2%2.J 2342/1/02(?@01 251?2 7/?15H02.2@0(40 5:..1:3929 0(5 2732.).25(92342 7/ /-7:=5 N/@75 73 799(/(137 H 275:.2 0 02@.(/25 N/1 522 739 02.:51?:40?1.2 1%/02 (3;739 A:223(3/02(.H.(Q74(25 1%/02(.413G:;7 07HH(R. 3255 739 1%/02(.91?25/(4 Q(./:25@0(40/02 327.2./02) 7.2 8202 9 7HH27.;.27/2.739?1.2 7?(78 2 739 7.2 7 50(3(3;H7//2.3/1/02 Q2.)825/1%/02(.5:8G24/5 0 7.2) 9:.(3;/02@(3/2.?13/05@75/02 Q232.78 2 H.2 7/2@2 231:;0/1.(5> I:(//(3;/02 01:52)2/ 1342 02 /2 5:5 13 N 7%(32@7.?97)(3 242?82.@023R/02@(39@75 51:/0 0 02 7Q7(29 0(?52 %1%/02 1HH1./:3(/) @0(40 (/;7Q2 0(?1% GG7)(3;0(5.25H24/5 /1 0(5 1Q2.2(;3 N 0 0 57(9/02 (3;/1 0(?X N 7 Q(5(/%.1?)1:(3 242?82.9(9 31/ 2MH24/1 522)1:/(7) 0 F

02 1 9 H7 742 1% 2@ < @(/0 (/5 92 (;0/%: ;7.9235 739 (/5 4.1@9 1%7;.2278 2 147 75514(7/(135 < (5 5/(73 18G24/1% (3/2.25/739 4:.(15(/)/1/01:57395 /501:9 82 81.32 (3 ?(39 01@2Q2./07/02 H.2523/ H7 742 (5 31/02 57?2 5/.:4/:.2@0(40 (3/02 97)5 1% .292.(4>-.(342 1% D7 25 @75 >31@3 75 2@ 1:52 739 @0(40 7%/2./02 927/0 1% 0(5 @(91@ @023 (/ 079 8241?2 /02 .25(92342 1% 21.;2 /02 0(.9@75 9(5/(3;:(5029 75 /02 A:223=5 19;2 02 N A:223=5 19;2 0 31 Q25/(;2 1%@0(40 31@.2?7(35 5/119 1HH15(/2 /1 /02 H.2523/.29R8.(4> ?735(13 X /02 /@1 29(%(425 07Q(3;(3%1.?2.97)5 8223 52H7.7/29 8) 7 H:8(4 47..(7;2R .179@0(40 .73%.1?2@ .223 /1 .23/%1.9 2..) 023 739 13;7%/2./02 9(Q2.;2342 1%/02 %2..)R.179 /02 H.2523/ H7 742 @75 >31@3 (39(%%2.23/) 75 /02 -.(342=5 1:52 739

"# ‘ -‘ ‘ ‘

/02F‘ 1)7‘ ((.52.)‘ 37?25‘ @0(40‘ (/‘ 5:44255(Q2)‘ 92.(Q29‘ %.1?B/02‘ -.(342‘ 1%‘ D 7 25‘ 739‘ 1/02.‘ 40(9.23‘ 1%‘ 21.;2‘ /02‘ 0(.9‘ 07Q(3;‘ 8223‘ .27.29‘ @(/0(3‘ (/5‘ @7 5‘ %/2.‘ /02‘ 92?1(/(13‘ 1%‘ /02‘ A:223=5‘ 19;2‘ @0(40‘ 41??23429‘ (3‘ !"*+‘ /02‘ H.2523/‘ ?735(13‘ 8247?2‘ /02‘ 14475(137‘ .25(92342‘ 1%‘ 21.;2‘ /02‘ 0(.9‘ 739‘ 0(5‘ 41351./

5‘ @2‘ 07Q2‘ 7 .279)‘ 1852.Q29‘ /02‘ ;7.9235‘ 1%‘ 2@‘ 1:52‘ 7.2‘ .2H 2/2‘ @(/0‘ (3/2.25/(3;‘ 75514(7/(135‘ /‘ @75‘ (3‘ /02‘ 411‘ 50792‘ 1%‘ (/5‘ 50.:882.(25‘ /07/‘ /02‘ %.(Q1 1:5‘ .292.(4>‘ -.(342‘ 1%‘ D 7 25‘ (5/2329‘ /1‘ /02‘ 8.((73/‘ @(/‘ 1%‘ 025/2.%(2 9‘ 739‘ -:R‘ /232)‘ - 2.2‘ 02‘ ?(;0/‘ 82‘ 5223‘ 2M0(8(/(3;‘ 0(5‘ %1@2.R8295‘ /1‘ -1H2‘ 1.‘ (5/23(3;‘ /1‘ /02‘ 547397‘ 739‘ ;155(H‘ 1%‘ :88‘ 19(3;R‘ /13‘ X‘ 739‘ 75/)‘ (/‘ @75‘ 7 13;‘ /0252‘ @7 >5‘ /07/‘ 02‘ @75‘ (39:429‘ /1‘ 027.>23‘ /1‘ /02‘ (35(9(1:5‘ .27513(3;5‘ 1%‘ 1(3;8.1>2‘ 739‘ (.‘ D((7?‘ D)3907?‘ 8)‘ @01?‘ 02‘ @75‘ 13)‘ /11‘ 275()‘ H2.5:7929‘ /07/‘ (.‘ 182./‘ D 7 H1 2‘ @75‘ /02‘ @(4>2925/‘ 1%‘ (3(5/2.5‘ 739‘ 0(5‘ 1@3‘ %7/02.‘ /02‘ @27>25/‘ 1%‘ (3;5‘ 2.2‘ 7/‘ 1/02.‘ /(?25‘ /02‘ -.(342‘ ?(;0/‘ 82‘ 5223‘ .2/(.(3;‘ (3/1‘ /02‘ ?1.2‘ N;11?)‘ 7 2)5‘ 0‘ @(/0‘ 79)‘ (99 252MX @0(2‘ (3‘ /02‘ ?1.2‘ %.2I:23/29‘ @7 >5‘ 739‘ 7/‘ 7‘ .25H24/%:‘ 9(5/7342‘ %.1?‘ /0P?‘ 5/.1 29‘ 5(92‘ 8)‘ 5(92‘ 0(5‘ 32;24/29‘ -.(34255‘ 739‘ 1.9‘ :/2X‘ /02‘ %1.?2.‘ (5/23(3;‘ @(/0‘ 57/(5J %74/(13‘ /1‘ /02‘ H1?H1:5‘ 41?H(?23/5‘ H7(9‘ 02.‘ 8)‘ /02‘ %7Q1:./(2‘ 739‘ 14475(137)‘ ;734(3;‘ @(/0‘ H2.07H5‘ /11‘ ?:40‘ 41?H 74234)‘ 13‘ /02‘ H.1H1./(135‘ 1%‘ 0(5‘ 2MI:(5(/2)‘ /:.329‘ 2;‘ 3‘ /0252‘ @7 >5‘ (/‘ @75‘ /07/‘ :/2‘ %(.5/‘ (3%:529

F‘ ‘Q(2@‘ 1%‘ N 2@‘ 1:52 0‘ 1.‘ .7/02.‘ 1%‘ /02‘ N A:223=5‘ 19;2 0‘ %1.?5‘ 7‘ (;32//2‘ /1‘ /(2‘ D1.>5‘ 739‘ 13B25H1392342‘ 1%‘ /02‘ 2Q‘ 7?25‘ .79 2)‘ 02‘ 8:(9(3;‘ 079‘ 8223‘ ?73)‘)27.5‘ (3‘ /02‘ H155255(13‘ 1%‘ /02‘ 7H2‘ %7?()‘ @023‘ 781:/‘ /02‘)27.‘ !$L*‘ 7‘ 13;‘ 2752‘ 1%‘ (/‘ @75‘ /7>23‘ 8)‘ .292.(4>‘ -.(342‘ 1%‘ D 7 25‘ /02‘ %22‘ 1%‘ @0(40‘ @75‘ 7%/2.@7.95‘ H:.407529‘ 8)‘ 21.;2‘ /02‘ 0(.9‘ 1%‘ (6782/0‘ 1:3/255‘ 1@7;2.‘ 1%‘ 552M‘ /‘ @75‘ 31/‘ /(‘ /02‘)27.‘ !$"!‘ /07/‘ /02‘ H.2523/‘ H7 742‘ @75‘ 81:;0/‘ 8)‘ /02‘ (3;‘ (3‘ /.:5/‘ %1.‘ A:223‘ 07.1//2‘ 0, .‘ C ‘ ‘ 0 ‘ Q1‘ (‘ HH‘ !V*<+X‘ ‘ # ? 4‘ 6 , ‘ - * ‘ < 4 ‘ = ‘ H‘ MQ‘ M%1.9‘ !"L+‘ ‘ <+# 4 # 02‘ 4/5‘ 1%R-7.(7?23/‘ ‘ 21.;2‘ L‘ 47H‘ $+‘ 739‘ +V‘ 21.;2‘ ‘ 47H‘ S!‘ 413/7(3‘ 51?2‘ 4:.(1:5‘ (3%1.?7/(13‘ .2 7/(3;‘ /1‘ /02‘ (?H1./73/‘ 7 /2.7/(135‘ @0(40‘ 07Q2‘ 8223‘ ?792‘ (3‘ /0(5‘ (3/2.25/(3;‘ 32(;081:.0119‘ 21352I:23/‘ 13‘ /02‘ (3;‘ 47..)(3;‘ 1:/‘ 0(5‘ %7Q1:./(2‘ H.1624/‘ 1%‘ :3(/:(;‘ /02‘ H 275:.2‘ ;.1:395‘ 1%‘ (40?139‘ 19;2‘ @(/0‘ /0152‘ 1%‘ 2@

(3/1 /02)1:/0%: ? (39 1% 21.;2 /02 0(.9 /0152 /1J H(73 739 H2.3(4(1:5 914/.(325 @0(40 5:852I:23/) H.1Q29 51 92/.(?23/7 /1 /02 @2 R82(3;1% 0(5 5:8G24/5 75 @2 75 /1 0(5 1@3 2.2 /02)1:3; -.(342 @75 .25(9(3; @023 02 .242(Q29 /02 :32MH24/29 (3/2 (;2342 1% /02B927/0 1% 0(5 ;.739%7/02. 2.2 7/ 7 7/2. H2.(19 0(5 A:223 ?(;0/ 82 5223 @7/2.(3; 02. 2M1/(4 H 73/5 1. %229(3; 02. %%(Q1?(/2 73(?7 5 (3 02. ?237;2.(2 0252 ; 7925 7.2 /02 57?2 /07/ @(/325529 /02)1:/0%: ;7?81 5 739 .251:3929 /1 /02 ?2..) 7:;0/2. U1% /07/ H.1?(5(3; 739 827:/(%: .742 1% @0(40 21.;2 /02 0(.9 @75 /02 5(.2 D(/0(3 /0252 H 275:.2R;.1:395 (/ @75 /07/ 02 0(?52 % 079 5H23/ ?15/ 1% /02 07HH(25/ 01:.5 1% 0(5 (%2X 739 75/) 02.2 13 7 5(/2 E31@ 41Q2.29 @(/0 /02 ;7)25/ 1% % 1@2.R8295 02 @75 H.15J /.7/29 8) /23 1% /0152 9.279%: @22>5 1% (3573(/) @0(40 Q(5(/29 0(?(3 /02 @(3/2. 1%!$"" 739 !$",

:/ /01:;0 /02 H7 742 @0(40 @(/325529 /02 27.(2. G1)5 739 51..1@5 1% 21.;2 /02 0(.9 075 H75529 7@7) %1. 2Q2. /02 H.2523/ H7 7/(7 .25(92342 (5 31/ @(/01:/ ?73) (3/2J .25/(3; 75514(7/(135 D023 ?73))27.5 5(342 /02 7:/01. @7392.29 /0.1:;0 /02 %1.57>23 7H7./?23/5 1% /02 1 9 H7 742 7/ 2@ 02 %1:39 (/ 7HH7.23/) (3 H.24(52) /02 57?2 4139(/(13 75 @023 21.;2 /02 0(.9 079 ?792 (/ 0(5 5:??2.R.25(92342 B739 @023 A:223 07.1//2 079 2MH(.29 @(/0(3 (/5 @7 5 02.2 @2.2 5/(H1(3/29 1:/ /1 0(? /02 275) 407(. (3 @0(40 A:223 07.1//2 079 8.27/029 02. 75/X /02 1 9 07.H5(401.9 @0(40 079 1342 82 13;29 /1 7392 739 13 @0(40 21.;2 /02 0(.9 14475(137) 7?:529 0(?52 % @(/0 H 7)(3;X 0(5 @7 >(3;R5/(4>X 0(5 744:5/1?29 407(.X /02 874>;7??13R817.9 13 @0(40 02 :529 /1 H 7) @(/0 ((5 24P:2..(25 739 75/) /02 5?7 7H7./?23/ (3 @0(40 /02 H(1:5 ?137.40 @75 744:5R

/1?29' /1' 1%%2.' :H' (5' H.7)2.5' 739' /073>5;(Q(3;5' 3' /07/' 7H7./?23/' @75' %1.?2.)' /1' 02' 5223' 7' .2(4' 1%' 31' 5?7 ' (3/2.25/' /02' H.(Q7/2' H.7)2.R811>' 1%' 21.;2' /02' 0(.9' 3' /02' H.7)2.' @0(40' (5' :529' 9?93;' /02' 255(13' 1%' -7.(7J ?23/' /02' (3;' @(/0' 0(5' 1@3' 0739' 079' 18(/2.7/29' /02' @1.95' N 1:.' ?15/' .20;(1:5' 739' ;.74(1:5' (3;0' 739' 079' 5:85/(/:/29' %1.' /02? N 7' ?15/' ?(52.78 2' 5(332.O

02' 5135' 739' 97:;0/2.5' 1%' 21.;2' /02' 0(.9' 522?' @(/0J 1:/' 73' 2M42H/(13' /1' 07Q2' /7>23' 7' (Q2)' 739' 75/(3;' (3/2.25/' (3' /02' 01?2' 1%' /02(.' 40(90119X 7' 4(.4:?5/7342' /1' @0(40' (/' (5' H.1878)' 1@(3;' /07/' /(' /02' 927/0' 1%' (3;' D((7?' /02' 1:./0' 739' /02' H755(3;' 7@7)' 1%' /02' ;232.7/(13' /1' @0(40' 02' 82 13;29' /02' (3/2.(1.' 1%' /02' 1 9' H7 742' 413/(3:29' /1' .2/7(3' 51' ?73)' 1%' /02' 9(5/(34/(Q2' %27/:.25' 1%' /02' H75/' D023' 01@2Q2.' 51?2' /(?2' 7%/2.' /02' 927/0' 1%' /07/' ?137.40' /02' 7:/01.' 7;7(3' ?792' 7' H(;.(?7;2' /1' /02' H1/' /02' " ' ' 079' /7>23' (/5' %(;0/' %1.' 2Q2.' 02' 7H7./?23/5' 079' 8223' 5/.(HH29' 1%' /02(.' 1 9R%750(1329' %:.3(/:.2' X /02' @7 5' 1%' /02(.' H(4/:.25' 739' /02' (8.7.)' 1%' (/5' 811>5' D(/0' /02' 2M42H/(13' 1%' 7392 =5' 07.H5(401.9' /02' 407(.' (3' @0(40' A:223' 07.1//2' 079' 2MH(.29' 739' 51?2' (RH7(3/29' H1./.7(/5' @0(40' 079' 8223' 4135(;329' /1R' /02' ;7..2/5' 1%' %1.;1//23' 2I:2..(25' 739' 1/02.' .1)7' %7Q1:.(/25'FP/02' 1 9' 29(%(42' H.2523/29' 75' 923:929' 739' 41?%1./ 255' 73' 75H24/' 75' 473' @2' 82' (?7;(329' 02' (8.7.)' 7 132' 1342' 7' %7Q1?(/2' 7H7./?23/' @(/0' 21.;2' /02' 0(.9' (39(47/29' 8)' (/5' Q7473/' 811>R502 Q25' /02' :525' /1' @0(40' (/' 079' 8223' %1.?2.)' H:/' D(/0' /0(5' 5?7' 7H7./?23/' 7' /.(%(3;')2/' 31/' :3(3/2.25/(3;' 5/1.)' (5' 413324/29' 02' (3;' @75' 132' 97)' 5(//(3;' (3' (/' 7 132' @023' /02' %(.2' ;2//(3;' 1@' (2' 5:??1329' /02' H7;2' (3' @7(/(3;' 739' 925(.29' 0(?' /1' %2/40' 51?2' 417 5' 02' 7//23973/' (/' 522?5' (35/279' 1%' H.1?H/)' 182)(3;' /02' (3;=5' 41??7395' .73;P/02' 82' %1.' /02' %11/?73' @0152' H.1Q(342' (/' @75' /1' H2.%1.?' /0(5' ?23(7' 1%%(42' 739' @01' 07HH2329' /1' 82' 7' ?73' 79Q73429' (3')27.5' 02' (3;=5' E.28:>2' /1' /02' H7;2' @75' 407.74/2.(5/(4' 1%' /02' .(;0/R?(3929

?137.4 (' 25(.(3;' /02' 7//23973/' /1' 4139:4/' 0(?' /1' /02' H 742' @02.2'/02' 417 5' @2.2' >2H/' 02' /11>' :H' /02' 54://2' 739' 47..)(3;' (/' 0(?52 %' /1' /02' (8.7.)' /0.2@' 51?2' 1%' (/5' 413/23/5' 13' /02' %(.2' 023' 0739(3;' /02' 417 R54://2' /1' /02' 7//23973/' 02' 57(9<N' 2Q2.' 75>' 73' 1 9' ?73' /1' 91' @07/')1:' 7.2' 51' ?:40' 82//2.' 78 2' /1' 91')1:.52 % O

1/' 13)' @75' 21.;2' /02' 0(.9' 1%' 7' 37/:.7)' Q(;1.1:5' 4135/(/:/(13' 8:/' /02' .(;1.1:5' 5)5/2?' 1%' 785/(32342' 739' 819( )' 2M2.4(52' @0(40' 02' 079' 27.)' 791H/29' 522?29' /1' H.1J ?(52' 0(?' 7' 13;' (%2' 1%' :3(3/2..:H/29P027 /0' 02' %74/' (39229' (5'.7/02.'7'.2?7.>78 2' 132' /07/' %.1?' /02' H2.(19' 1%' 0(5' 3(GBP5/2.(1:5' ?7 79)' (3' !$#V' /(' 02' @75' /2?H1.7(9)' 7%% (4/29' 8)' (3573(/)' (3' !$"" ' /02.2' @75' 7HH7.23/)' 31/' 7' R 5(3;2' 1:34(' 2Q22' 31.' .7@(3;R.11?' 7/' @0(40' 02' 079' 8223' H.2Q23/29' 8)' (39(5H15(/(13' %.1?' 82(3;' H.2523/' (5' H1@2.5' 1%' 239:.(3;' %7/(;:2' @2.2' .2?7.>78 2' 1.' (35/7342' 7%/2.' 8.27>%75/(3;' 7/' D(3951.' (/' @75' 7' 41??13' H.74/(42' @(/0' 0(?' /1' ?1:3/' 0(5' 01.52' 739' 01@2Q2.' :3%7Q1:.78 2' ?(;0/' 82' /02' 5/7/2' 1%' /02' @27/02.' /1' .(92' /02' @01 2' @7)' /1' :4>(3;07?' 1:52' .1?' /02342' 02' ?(;0/' 82' 5223' H.14229(3;' (3' 7' 52973R407(.' /1' /' 7?25=5' -7 742' @02.2' 02' 079' /1' :392.;1' /02' 13;' 739' /29(1:5' 42.2?13)' 1%' 7' 2Q22X 0(5' 4:5/1?' 82(3;' /1' 413Q2.52' 1.F' 7/' 7' ' 2Q23/5' /1' 2M4073;2' @1.95' 1%' .241;3(/(13' @(/0' 2Q2.)' (39(Q(9:7' @01' %1.?29' 132' 1%' /02' .1)7' 4(.4 2' %/2.' /02' 2Q22' /02' (3;' ;232.7)' 7//23929' 7' ?22/(3;' 1%' /02' -.(Q)' 1:34(' 1.';7Q2' 73' 7:9(2342' /1' 0(5' (3(5/2.5'X 0(5' 13)' .2%.250?23/' 9:.(3;' /02' 41:.52' 1%' /02' 97)' 82(3;' :5:7)' 7' 4:H' 1%' /27' 739' 7' 5 (42' 1%' 8.279' 739' 8://2.' @0(40' 0(5' 23;7;2?23/5' %.2I:23/)' 41?R

F' 0(5' 739' 1/02.' /.7(/5' 413324/29' @(/0' /02' 91?25/(4a (%1' 1%' 21.;2' ' :529' /1' 82' .20(/29' 8)' 73' 1 9' %2?7 2' 7//23973/' @01' 4139:4/29' /02' 14475(137' Q(5(/1.' 1Q2.' /02' 31@' %1.57>23' H7 742' 1%' 2@' 02' 829' 31/' 13)' 8223' 73' 25H24(7' %7Q1:.(/c' @(/0' 02.'.1)7' ?75/2.' 739' ?(5/.955' 8:/' /1' /02' 75/' 502':529' /4P1' 0131:.29' @(/0' Q(5(/5' 739' @(/0' >(39' .2?2?8.73425'(3' /02' 507H2' 1%' 733:7' 0.(5/?75' H.2523/5' 8)' /02(.'5:.Q(Q(3;' 40(9.23' ?15/' 1%' @01?' 079' .2/7(329' 73' 7%%24/(137/2' %22 (3;' %1.' 02.' 5(342' /02(.'(3%734)' 22' N ' 7)' 7/' 2@ 0' (3' N 273(3;5' (3' 7/:.7' (5/1.) 0' /0(.9' 2.(25' H' ++*' 0)' 9@7.9' 2552

S*

H1 29 0((.(/1 H7./7>2 1% 5/739(3; / %(Q2 1=4 14> 1. H2.07H5 7/ 7 7/2. 01: . 02 23/2.29 0(5 41740 739 .2/: .329 /1 7 7/2 ?27 7/ D(3951. 2 @75 %139 1% 01.525X @75 (3 /02 078(/ 1% H7)(3; 73 27.) Q(5(/ /1 0(5 5/78 25 X @75 7 ;119 .(92. 739 57/ 7 01.52 79?(.78) N 1)1: 522 ?) 01.52cO 02 1342 75>29 1% 1.9 D(3402 527X N 07Q2 079 0(?/@23/))27.5 739 02 (5 ;119 31@ 1)1: >31@ /02 524.2/ ¢ = /2 (/)1:   >31@ 0(5 @1./0 B739   /.27/ 0(? 7441.9P (3;) O F

02 2M42 23/ GP7 /O @0(40 /02 (3; 13; 23G1)29 75 @2 75 0(5 2M2?H/(13 %.1?/02 1825(/) @0(40 @75 4135/(/:J /(137 (3 0(5 %7?( ) @75 1342 (3/02 41: .52 1% 7 413Q2.57/(13 @(/O 1.9 735%(2 9 7//.(8:/29 8) 0(?/1 /02 %1 1@(3; 4(.4:?5/7342 2 07HH2329 02 57(9 /1 H7) 7 Q(5(/ /1 0(5 :34 2 /02 :>2 1% :?82. 739 31/ #3; 82%1.2 /02 927/O 1% /07/ 42 28.7/29 ?73 @023 /02 413Q2.57/(13 /:.329 :H13 /02 :>2=5 (34.27529 41.H:234) / @75 7 4135/(/:/(137 (3%(.?(/) .2?7.>29 0(5 .1)7 0(;03255 %.1? @0(40 0(5 ?7G25/) 13 .2740(3; ?(99 2 7;2 41: 9 547.42) 2MH24/ /1 82 7851 Q29 2?H2.7342 739 785/(32342 02 57(9 @2.2 /02 825/ .2?29(25 739 (% 32; 24/29 02 79929 < N 2H239 :H13 (/ (. /07/ 31/0(3; 473 H.2Q23/)1:. 7G25/) ;.1@(3; /1 ?) 5(62 O B :40 @75 /02 2%%24/ H.19:429 8) /0252 @1.95 :H13 /02 (3;=5 ?(39 /07/ 75 02 755:.29 1.9 735%(2 9 %.1? /07/ ?1?23/ 02 %1.?29 /02 .251 :/(13 1% 4024>(3; 0(5 /239234) /1 1825(/) 8) (3:.(3; 0(?52 % /1 078(/5 1% /02 5/.(4/25/ /2?H2.7342 \ 73))27.5 7%/2.@7.95 (3 /02 41:.52 1% 73 (3/2.25/(3; 413Q2.57/(13 7/ @0(40 /02 7:/01.255 1% Q2 (37 @75 H.2523/ @2 %(39 /02 (3; 413;.7/: 7/(3; 0(?52 % 13 /02 2M42 23/ 027 /O @0(40 02 23G1)29 739 7//.(8:/(3; (/ /1 0(5 .(;(9 7902.2 (42 /1 /02 @01 251?2 .: 25 @0(40 02 079 %1.?2.) H.254.(829 %1. 0(?52 % N 02 %7: /O 02 57(9 N 1%

0(5 4135/(/:/(13 @75 7 /239234) /1 2M4255(Q2 %7/ @0(40 01@2Q2. 02 >2H (3 1.92. 8) /02 ?15 Q(;1.1:5 2M2.4(52 739 8) /02 5/.(4/25 7//23/(13 /1 7 5(?H 2 9(2/ 0 32 1% /02 41?H73) (=5 2 73) 41??239(3;0(?%1.0(5.2?7.>78 2 %1.827.7342<N 1 31 X 0 02 57(9 N((5 31 Q(./:2 X 13) H.2%2. 27/(3;H 7(3 739 (// 2 /1 ;.1@(3;9(527529 739 (3%(.?0F 1 132 41:9 82 ?1.2 5(?H 2 (3 0(5 /75/25 75 @2 75 078(/5X)2/ @023 /02 /(?2 739 14475(13 .2I:(.29 (/ 02 2Q2. :H02 9 /02 >(3;) 9(;3(/) @(/0 8241?(3;5/7/2 739 ?7;3(%(42342

02 (3;=5 H2.5137 41:.7;2 2Q23 0(5 8(//2.25 232?(25 07Q2 32Q2. 47 29 (3 I:25/(13 3 /02 01:. 1% H2.(739 1% /.(7 (/ 32Q2. %1.511> 0(? 3 ?73) ?2?1.78 2 1447J 5(135<5:40 %1. (35/7342 75 @023 (3 !$#, /02 :>2 1% .7%/13 5/119 8) 0(5 5(92 (3 /02 .1)7 4 152/ 7/ / 7?25=5 /.2?8(3;7/ /02)2 5 739 ?237425 1% /02 ?18<5:40 75 @023 (3 !$"# /02 8 792 1% 7.;7.2/ (401 513=5 >3(%2 823/ :H13 0(5 8.275/<739 75/) @023 /02 8: 2/5 %.1?) 79%(2 9=5 H(5/1 @0(5/ 29 1Q2. 0(5 0279 7/ /02 /027/.2 (3 !"**<02 2M0(8(/29 7 41?H15:.2 739 73 7HH7.23/) :/2. 9(5.2;7.9 %1. 973;2. @0(40 5:.H.(529 2Q23 /0152 @01 @2.2 825/ 74I:7(3/29 @(/0 /02 4135/(/:/(137 (3/.2H(9(/) 1% 0(5 37/:.2 07/ (% 4(.4:?5/73425 079 .2I:(.29 (/ /02 (3;@1:9 07Q2 ;(.929 13 0(5 5@1.9 739 %1:;0/ 7/ /02 0279 1% 0(5 5:8G24/5 (5 7 %74/ 5:%%(4(23/)@2 25/78 (5029 1/0 @023 .27/ .(/7(3 @75 /0.27/2329 @(/0 (3Q75(13 8) .7342 (3 !$$, 739 7;7(3 :392. 5(?(7. 4(.4:?5/73425 7/ /02 41.3?2342?23/ 1% /02 H.2523/ 423J /:.) /02 (3;079 %:)?792 :H 0(5 ?(39 /1 /7 (2 /02 41??739 1% 0(5 /.11H5 739 /1 2341:3/2. /02 (3Q79(3; 7.?) (3 H2.513 D2 ?(;0/ 1.9 21.;2 2.?7(32 @.(/2 /1 (. 23.) (3/13 13 /02 14475(13R 1% /02 %1.?2. 7 7.?(3;4.(5(5<(^ 02 (3;=5 ?7;373(?(/) (5 31/ /1 82

507>23' 8)' /02' 327.3255' 1%' 4 73;2. 0' F' (2' @75' (3' /02' 078(/' 7/' 132' H2.(19' 1%' 0(5' .2(;3' 1%' .242(Q(3;' 3: ?2.1:5' 7313) ?1:5' 41? ? :3(47/(135' 51?2' 1%'/02?' 74/:7)' /0.27/23J (3;' 0(5' (%2' 739' 1/02.5' @7.3(3;' 0(?' 1%' /02' 973;2.' 1%' .(9(3;' 1:/' 13' H7./(4: 7.' 97)5' 739' 13' 42./7(3' .1795' 1/' 13)' 01@2Q2.' 9(9' 02' /.27/' 5:40' @7.3(3;5' @(/0' 413/2?H/' 8:/' 02' 2Q23' /11>' 7' H 275:.2' (/' (5' 57(9' (3' 52 24/(3;' %1.' 0(5' 97)=5' .(92' /02' Q2.)' .179' @0(40' 02' 079' 8223' 25H2J 4(7)' .241? ?23929' /1' 7Q1(9' N ' 7?' 7@7.2 0' 02' 57(9' N /07/' 4135(92.(3;' /02' (// #' 47.2' ' /7>2' 1%' ?)' H2.513' @012Q2.' 4011525' /1' 574.(%(42' 0(5' 1@3' (%2' ?7)' 92H.(Q2' ?2' 1%' ?(32' ' 13)' 01H2' 01@2Q2.' /07/' @012Q2.' ?7)' 7//2?H/' (/' ?7)' 31/' 91' (/' (3' 7' 8/:/7' 739' 87.87.1:5' ?7332. 0

2(/02.' @75' /02' ?1.7' 739' H1 (/(47' 41:.7;2' 1%' 21.;2' /02' 0(.9' 255' 4135H(4:1:5' /073' 0(5' H2.5137' %27. 2553255' (5' 232?(25' (39229' 07Q2' /01:;0/' H.1H2.' /1' 9231:342' 0(5' %(.?3255' 1%' 407.74/2.' 75' ?2.2' 185/(374)X' 31.' 473' (/' H2.07H5' 82' 923(29' /07/' 02' 51?2/(?25' 4 :3;' .7/02.' /11' /2374(1:5)' /1' 5:40' 1H(3(135' 75' 02' 079' 1342' 92 (82.7/2)' %1.?29' D023' (401 5'/02' 7:/01.' 1%'/02' N' 241 24/(135 0' 1342' 75>29' 07. 25' 1M' @02/02.' (/' @75' 31/' H155(8 2' /1' 4134((7/2' 0(5' 1Q2.2(;3< N 1 0' @75' 1M=5' .2H)' N(/' (5' (?H155(8 2'X 31' ?73' 473';7(3'/02' (3;0'%' 2Q2./02 255' 0(5' %(.?3255' 1%/23' 50132'%1./0'/1' 79Q73/7;2' 81/0'/1' 0(?52 %'739'/1' 0(5' 5:8G24/5' N' 21.;2'/02' 0(.9'0' 59(9' 1.9' 913' N'@75' 7' ?73' 1%' %((?' ?(39' @(/0' @01?' 132' 079' H 275:.2' (3' 74/(3;' U 2' @75' Q2.)' 5 1@' (3' %1.?(3;' 0(5' 1H(3(13X Q2.)' 9((;23/' (3' H.14:.(3;' 2Q2.)' (3%1.?7/(13' 13' /02' 5:8G24/X 8:/' 1342' 413J Q(3429' 02' @1: 9' 74/' @(/0' /02' ?15/' :3% (340(3;' %(.?3255 0' 3' 7@7.9(3;' /0(5' H24: (7.' H.7(52' /1' 0(5' .1)7' ?75/2.' 1.9' Ú 913' I:1/29' (3' (:5/.7/(13' 1%' 0(5' .2?7.>5' /02' (3;=5' 827:R

F' 7.' /7301H2=5' (5/1.)' 1%' 3;739' Q1(' Q(' H' S*$
]' (401 5' 241 24/(135' 1%'/02' 2(;3' 1%' 21.;2' L' Q1 ' (' H' L,*' +39' 9(/(13

/(%: ' 57)(3;' @ (23' H.25529' /1' ;(Q2' (5' 413523/' /1' 1?73'
7/01 (4' ?734(H7/(13' N' ' 473' ;(Q2' :H' ?)' 4.1@3'
739' .2/(.2' %.1?' H1@2.' ' 473' I:(/' ?)' H7 742' 739' (Q2'
(3'7'41//7;2RB' ' 473' 7)' ?)' 0279' 13'7'8 14>' 739' 152' ?)' (%2X
8:/' ' 473' '8.27>' ?)' 1.137/(13' 7/0 O' (' ' %27.' 1%'
(34:..(3;' .25H135(8((/)' /11' 1%/23'7'U@27 Q3255' 2Q23' (3' /02'
407.74/2.5' 1%' /02' 8.7Q25/' 739' /02' 825/' @75' :3I:25/(1378)'
31/' 132' 1%' /02' 501(/R41?(3;5' 1%' 21.;2'/02' 0(.9' 02' ?1.2'
/2?H25/:1:5' /02' H1 (/(47' 01.(613' /02' %(.?2.' /02' 0(;OR5H(.(/29'
?137.40' 5/119' 7/' 0(5' H15/' 739' /02' 255' (34 (37/(13' 02' 501@29'
/1' 50(%/' 2(/02.' 973;2.' 1.' 19(:?' %.1?' 0(5' 1@3' 501: 92.5' /1'
/0152' 1%' 1/02.5' 02' 5/279)' 5:HH1./' @0(40' 02' 2M/23929' /1'
1.9' :/2' @023' /07/' 318 2?73' @75' (3' /02' 02(;0/' 1%' 0(5'
:3H1H:7.(/)X' 0(5' :3% (340(3;' H.1/24/(13' 1%' /02' :>2' 1%'
.7%/13' 9:.(3;'/02' %1.?(978 2'/:?:/5'(3' !$#,' F' 739' 75/)'
/02' ;.27/' .25H135(8((/)' @0(40' 02' /11.':H13' 0(?52 %' @023'
9:.(3;' /02' 9(5;.742%:' N-.1/25/73/' .(1/50' (3' !$"*' 02'
1HH1529' /02' ?((/.)' /1' /02' ?18' 7%%1.9' 5:%%(4(23/' 2Q(92342'
1%' 0(5' 0(;0' ?1.7' 75' @2' 75' H2.5137' 41:.7;2' 79' 02'
8223' 07.25/02' (.5/'(35/279'1%' 21.;2'/02' 0(.9'02'@1:9'
32Q2.' 07Q2' 787391329' /02' 7.' 1%' /.7%%1.9' /1' 0(5' %7/2' X' 31.'
079' 02' 8223' (3' /02' 5(/:7/(13' 1%' 21.;2' /02' 24139' @1:9'
02' 2Q2.' 07Q2' %1.57>HH' (.' 182./' D7H12' 1' :52' 0(5'
1@3' .2?7.>78 2'@1.95' @.(//23' /1' 1.9' 1./0' 13' /02' !,/0'
1%' 7)' !$$"<N 2' s (.' 182./Z' 079' %(.?)' %1.' /@23/)'
)27.5' @(/05/119' 7' 5/.13;' HH15(/(13' ' * + '# #'
, ' 739' 0(5' 232?(25' 47?2' (3/1' 1%%(42 O' %
39229' 7' ?1.2' 0(;OR5H(.(/29' ?73' 75' @2' 75' 7' ?1.2'
/01.1:;0' 3;(50?73' 7/'027./'/073' 21.;2'/02' 0(.9'2M(5/29'
31/' /0.1:;01:/' 0(5' 91?(3(135' ' 5H2240' @0(40' 02' ?792' /1'
.' 74>513' @023' 2?H1)29' 75' .(/(50' 3Q1)' 7/' 1H23J
07;23' (3' !"*$' :529' /1' 82' .2 7/29' 8)' /02' 7/2' 1.9' 913' 75R'
7' H275(3;' (35/7342' 1%' /02' (3;=5' 0(;0' 5H(.(/' -.2Q(1:5)

F' @(55=5' (%2'1%' 1.9' 913' 1'((' H' LV"
/' 1.9' .1:;07?=5' /7/25?23' 1%'/02' (?2'1%' 21.;2'L' Q1 '(' H' !!"

/1' /02' 42 28.7/29' 81?87.9?23/' 1%' /07/' 4(/)' 8)' 9?(.7' 1.9' 7?8(2.' 74>513' 879' 8223' 523/' /1' @7(/' :H13' /02' -.(342' 2;23/' 1%' 23?7.>' @(/0' 7' H.1H15(/(13' /07/' /02' 73(50' % 22/' 501: 9' 82' 5:..2392.29' :H' %1.' 7' 527513' /1' /02' .(/(50' 9?(.7' (3' 1.92.' /1' H.2Q23/' (/5' %7 (3;' (3/1' /02' 87395' 1%' /02' .2340' 74>513' 07Q(3;' 13' 0(5' .2/:.3' /1' 3; 739' 8223' H.2523/29' /1' 21.;2' /02' 0(.9' 739' 07Q(3;' .2 7/29' /1' 0(?' /02' .25: /' 1%' 0(5' ?(55(13' /02' (3;' 78.:H/)' (3I:(.29' 1%' 0(?' @02/02.' /02' 73(50' -.(342' 079' ;.73/29' 0(?' /02' 7:9(2342' :H5/7(.5= 1.' 91 Q3c' 74>513' .2H)(3;' /07/' (/' @75' (3' 73' 7H7./?23/' 13' /02' ;.1:39' % 11.<N' 7?' ;79' 1%' (/X'O' 57(9' 0(5' 7G25/)X=N' 7?' ;79' 1%' (/' %1.')1:.' 1@3' 57>2' X' %1.' (%' /02' -.(342' 079' 079' 07 %' /02' 5H(.(/' 1%' 21.;2' /02' 0(.9' 02' @1:9' 07Q2' (3%7 (8)' >(4>29')1:' 91@3' 5/7(.5 P= 0(5' 732491/2' @75' .2 7/29' /1' 1.9' 913' 8)' /02' (3;' 0(?52 % F' U

02' H1 (/(47' 2..1.5' 1%' 21.;2' /02' 0(.9' ?7)' 07Q2' 8223' ?73)X 0(5' H.2G:9(425' ?7)' 14475(137)' 07Q2' 8223' 922HR' .11/29' 739' /02' H:8(4' ?275:.25' @0(40' 02' 7HH.1Q29' ?7)' 7/' /(?25' 07Q2' 8223' 1HH1529' /1' /02' (3/2.25/5' 1%' 0(5' H21H 2' 0252' 01@2Q2.' @2.2' /02' %7: /5' 3 /' 1%' 7' 41..:H/' 027./' 8:/' 1%' 7' @7.H29' G:9;?23/' 739' 7' 92%24/(Q2' 29:47/(13' 739' 7.2' /02.2%1.2' 31/' (341?H7/(8 2' @(/0' /07/' (3% 2M(8 2' :H.(;0/J 3255' 1%' 407.74/2.' @0(40' 9(5/(3;:(5029' 0(?' (3' 2Q2.)' .2 7/(13' 1%' H:8(4' 75' @2' 75' H.(Q7/2' (%2' 02R' ;.27/' 18G24/' 1%' 0(5' 2M(5/2342' @75' /1' 91' @07/' @75' .(;0/' 2' @75' (3' /02' 318 25/' 52352' 1%' /02' Q1.9' 73' 01325/' ?73' (5' 1Q2' 1%' 0(5' 41:3/.)' @75' 2I:7 29' 13)' 8)' 0(5' %(.?3255' 739' 0(5' 1Q2' 1%' /.:/0' 1' 1.9' 07/07?' Q2' %(39' 0(?' @.(/(3;' (3' 7)' !$#$<N)' 5H(.(/5' ' /073>' 27Q23' @73/' 31' .1:5J (3;')' 1Q2' /1' ?)' 41:3/.)' 75' @2' 75' @07/' ' Q2' /1' ?)' 1 Q3' 407.74/2.' 739' /1' ?)' %7?()' H.1?H/' ?2' 31/' /1')(2 9' /1' %74/(13' 01:;0' 3132' 1%' ?)' (3(5/2.5' 5/739' 8)

? 2 47331 / .74 92 0 3 0(5 5/.13; 52352 1% G:5/(42X (3 /02 529: 1:5 H7(35 @0(40 02 /11> /1 74I:7(3/ 0(?52 % @(/0 /02 @73/5 739 (3/2.25/5 1% ((5 H21H 2 739 (3 /02 73M(2/) @0(40 02 501@29 /1 7 2Q(7/2 /02 132 739 /1 79Q7342 /02 1/02. 02 42./7(3) 2M0(8(/29 >(3;) Q(./:25 1% 31 ?273 1.92. N 473 547.42) 41342(Q2 0 @.(/25 /02 2H:8 (473 .73> (3 N7 (3; 1% 82//2. 9(5H15(/(135 1% ?1.2 2M2?H 7() QOR/:25 1. ?1.2 /.:) 925(.1:5 1% H.1?1/(3; /02 @2 %7.2 1% 0(5 5:8G24/5 0

02 (3;=5 ;119 %7(/0 0(5 0(;0 52352 1% 0131:. 739 0(5 51 2?3 .2;7.9 %1. /.:/0 07Q2 52 91?8223 47 29 (3 I:25/(13 1. (35/7342 7%/2. 0(5 52Q2.7 .241Q2.(25 %.1? /0152 9.279%: 782..7/(135 1% (3/2 24 @(/0 @0(40 (@75 /02@(1% /02 ?(;0/) /1 7%% (4 0(? 02 2Q2. 529: 1:5) 23927Q1:.29 /1 .241 24 73) H.1?(525 02 ?(;0 07Q2 ?792 H.2Q(1:5) /1 /02 92.73;2?23 1% 0(5 ?23/7 %74: /(25 739 @75 7 @7)5 31 255 H:34/((1:5) 2M74 (3 H2.%1.?(3; /02? 2 ?7) 07Q2 41342(Q29 /11 1%/) 7 31/(13 1% /02 .1)7 H.2.1;7/(Q2X 02 ?7) 07Q2 8223 /11 27;2. 739 627 1:5 (3 92%239(3; @07 02 .2;7.929 75 0(5 2;(/(?7/2 .(;0/5X 8:/ 13 /02 1/02. 0739 /02 51 2?3 (?H1./7342 @0(40 02 7//74029 /1 0(5 41.137/(13 17/0 @1:9 7 7 /(?25 07Q2 H.2Q23/29 0(5 ?7>(3; 3) 92 (82.7/2 234.1740?23/5 13 /02 .(;0/5 739 (82./(25 1% 0(5 H21H 2 N 02 (3; 0 57(9 1.9 1./0 N @1:9 (Q2 13 8.279 739 @7/2./1 H.252.Q2 /02 13J 5/(/:/(13 1% /0(5 41:3/.) 2 @1:9 574.(%(42 0(5 (%2 /1 ?7(3J /7(3 (3Q(1 7/2 0

% /02 0(;02. 8.734025 1% H1 (/(47 24131?) 1% /02 5/7/(5/(45 1% 7@ 739 41??2.42 739 1% /02 ;.739 H.(34(H 25 1% 1 13(7 739 1.2(;3 H1 (4) /02 (3;7HH27.5 /1 07Q2 74I:(.29 32(/02. 7 922H >31@ 29;2 31. Q2.)R 23 (;0/2329 Q(2@5 :/ 13 /02 1/02. 0739 8) 7 4135/73 739 :3@27.(29 7//23/(13 /1 H:8 (4 7%%7(.5 02 079 ?792 0(?52 % /01.1:;0)

F 07/07?' 1..25H ' Q1 ' (((' H' +#!' '
/' .73>(3=5 1..25H ' Q1 ')((' H' SS*' 9' !"S*

S# ' ' ' ' +t

H13Q2.573/ @(/0 /02 @1.>(3;' 1% 91(H25/(4 H1 (/(45' @(/0 /02 407.74/2.5 739 47H74(/)' 1% H:8 (4 ?23' 739 @(/0 /02 ?192 1% /.73574/(3;' 8:5(3255 (3 /02 Q7.(1:5 1%%(425 1% /02 /7/2' N 2(3;'%7.'%.1?'92%(4(23/ 0@.(/25 1.9 .1:;07?'N(3 37/:.7' I:(4>3255' 739 /02 ?1.2 .2;: 7.)' (39:5/.(1:5 8247:52 1% 0(5 078(/:7)' /2?H2.7/2 (%2' 82 ?792 0(?52 %/01.1:;0)' ?75/2.' 1%7 ' /02 1.9(37.)'92/7(5 1%8:5(3255 X (351?:40' /07/ 7 0(;0 7:/01.(/)' F 075 754.(829 /1 0(?' 7 ?1.2 /01.1:;0 >31@ 29;2 1% /02 9:/(25 1% 274 (^52Q2.7' 92H7./?23/ 1% /02 /7/2 /073 73)' 1/02.' ?73 2Q2.' H15525529 0 ;7(3 1.(' .1:;07?' 1852.Q25<N 02 41..25H1392342 @0(40 02 47..(29 13 Q(/0 0(5 413%(923/(7'52.Q73/5 9:.(3;' /02 /23 ?15/ 4.(/(47')27.5 1% 0(5 (%2 K (25 82%1.2 :5' 739 (/ H.1Q25 /07/ 0(5 7//23/(13 @75 2Q2.' 7@7>2 /1 7 ' /02 144:..23425 3% /02 ;1Q2.3?23/' 1/ 7 5/2H @75 /7>23 (3 %1.2(;3' 41 13(7 ' 1.' 91?25/(4 7%%7(.5' /07/ 02 9(9 31/ %1.?' 0(5 1H(3(13 :H13 (/' 739 2M2.4(52 0(5 (3% :2342 1Q2.' (/' 02 (35/.:4/(135 /1 7?8755791.5' /02 1.92.5 /1 ;1Q2.31.5' /02 ?1Q2?23/5 1%%1.425' 91@3 /1 /02 ?7.40(3;' 1% 7 5(3; 2 87//7 (13' (3 /02 9(5/.(4/5 1% /0(5 41:3/.)' /02 7HH1(3/J ?23/5 /1 7 ' 1%%(425 (3 0:.40 739 /7/2 X 31/ 13)' /02 ;(Q(3;' 7@7)' 1% G:9;250(H5' 8(501H.(45' .2;(?23/5' 8:/ 02 5:81.9(37/2 H.1?1/(135' 7)' 739 4 2.(47 X 7 ' /0252 %1.?' /02 /1H(45 1% 0(5 2//2.5 X 13 7 ' 0(5 1H(3(13 (5 H.131:3429 924(5(Q2)' X 13 7 ' 0(5 @(' (5 924 7.29 H2.2?H/1.( )' 3 132 2//2.' 02 924(925 /02 7HH1(3/?23/ 1% 7 41/40 H:(532 G:9;2 X (3 731/02.' /02 ?7.40 1% 7 /.11H %.1?' :4>(3;07?50(.2 (3/1 1.>50(.2 X (3 7 /0(.9 /02 31?(37/(13 /1 /02 2732.)' 1% D1.425/2.X (3 7 %1:./0 02 57)5 /07/ (% 97?' /02 7.40(/24/' 5:442295 D1.5 2)' 7/ /02 17.9 1% D1.>5' 02 507 ' /0(3> 07?82.5 (R:529 0 (G 2/' 31/@(/05/739(3;' /02 7.;2 7?1:3/ 1% 1%%(4(7' 8:5(3255 739 41..25H1392342 @0(40 /02 (3;' /0:5 23/7(29 :H13 0(?R

F 02 7/2 (.' 2.82./ 7) 1.
K (6 ' 9:.(3;' /02 9?(3(5/.7/(13 1% 1.9 1./0 ' P
(' 1.9 .1:;07?-5 /7/25?23 1% /02 (?2 1% 21.;c L ' Q1(' ('HH' !! < ' 9(/(13

52 %' (f @75' /.73574/29' G)' ?'@(/01:f 73)'4 2.(47' 755(5/7342' N f ?7)82' .2?7.>29 0 @.(/25' (.' 2.82((' 7) 1.' N/07f 9:.(3;' ?73)')27.5' 0(5' 0 7G25/)'079' 31f 73)'132' /1' 755(5f 0(?' (3' 0(5' 2H(5/1 7.)'41? ?:3(47/(135'÷ 3h u'31f 2Q23' (3'@07f ?7)' 82' 47 29' /02' ?24 (73(47' H7./5' 1%' (f X /07f (3' %74f 02' 079' 31f .241:.52' /1' /02' 7(9' 1%' 7' H.(Q7/2' 24.2/7.)':3/(' 8 (393255' .2392.29' (f (39(5H23578 2 0 F' 2/' 31f 13)'@75' /02' (3;' (3' /02' 078(f 1%' /7>(3;' 41H(25' 1%' 0(5' 1.Q3' 2//2.5' @0232Q2.' /02)' 7HH27.29' /1' 0(?' /1' 82' 1%' (?H1./7342' X 8:f @023' 9:.(3;' 0(5' (3573(/)' (3' !$""R,' /02' -.(342' 1%' D 7 25' R/11>' :H13' 0(?J 52 %' /1' 1H23' 0(5' %7/02.=5' 478(32/' 0(5' H7H2.5' /1' (.52' /02' -.(342=5' 1@3' @1.95' N 7HH27.29' /1' 82' 7..73B;29' @(/0' ;.27f .2;:7.R(/)' 739' ?2/019 0

:40' 1%' /02' (3;=5' 2//2.5' 75' 07Q2' 75')2f 5223' /02' (;0/' /01:;0' 14475(137)'@73/(3;' (3' 2 2;7342' 739' 51?2/(?25B2Q23' :3;.7??7/(47' j.2' 32Q2./02 255'@.(//23' (3' 4 27.' 739' 232.;2/(4' 73;:7;2' 739' 7.2' 7 @7)5' /1' /02' H1(3/' 2' @.1/2' 739' 41?J H1529' @(/0' ;.i7f %74((/)' @ 40' ?7)' 07Q2' 8223' (3' H7.f /0W' 47:52' 1%' /02' 92%24/5' /1' @0(40' @B2' 07Q2' 7 :929' N 1' ?73 0 7441.9(3;' /1' 0(5' 513' /02' 7/2' (3;' 1%' 731Q2.' N@.1/2' 82//2.' 1.' >32@' 01@' /1' 2MH.255' 0(5' 1H(3(135' (3' 7' 4134(52.' @7)' /073' 21.;2' /02' .9 0e' 0W' (3;=5' 413Q2.57/(13' (>2' 0(5' 41..25H1392342' @75' 9(5/(3;:(5029' 8)' ;119' 52352' 739' 2M42Hf @023' 02' @75' 32.Q1:5)' 2?87..75529' 8)' 5(3;:7.' 4 27.3255' 1%' 2MH.255(13

' 279(3;' %27/:.2' (3' /02' 407.74/2.' 1%' 21.;2' /02' 0(.9' @75' /02' H:34/:7 (/)' @0(40' 02' 2Q2.' H.74/(529' 0(?52 %' 739

F' 2(37.>5' 13' 73' 7./(4 2' (3' /02' 9(38:.;0' 2Q(2@' 8)' (2:/2373/R 232.7' (/' 2.82.f 7) 1.' H',

]' 152=5' (7.(25' 739' 1..25H' Q1' ((' H' !#L

d' 7.' :552 =5' 2?1.(7 5' 1%' 1M' Q1' ((' H' L!+

e' ' 2//2.'/1'/02' 7/2' .' .1>2.' f 7HH27.5 8)'7 2//2.'%.1?' 07.25' 7?25' 1M

' .' 01?75' .23Q(2' 97/29' 7)'+!' !$"+' /07f /02' (3;'%:)'7HH.24(7/29' 7';119' 2H(5/1 7.)'5/) 2R'(3' 1/02.' H2.5135' ' ' 5 ' ' 7 'L' 5,' ' 9 * ' ' 6)* 4' Q1' (' H' +,' 22' 7 51' < 4 ' ') ' '+ ' 5 ' <# 8 ' Q1' (' H' L$L' ' (3' @0(40' 02' (3;'@(' 82' %1:39' 5H27>(3;' 1%' (.' 182./=5' H.(Q7/2' 2//2.5' %.1?' 1H2307;23' @0(40' 07' 079' 2Q(923/)' 925(.29' /1' H2.:52' 77

@ 4 (' (2' 31' 255' 54. : ((: 1 : 5)' 2M74/29' %. 1 ?' 1/02. 5 ' ' @2 R' >31@3' . 28 : >2' 1% 1 : (5' /02' 1 : . /223/0' /1' 7' 9(7/1.)' 7//23J 973/ < N (. ')1 :' 7 ?15/' ?792' ?2' @7(/0 < @75' H. 1878)' 13' ?1. 2' /073' 132' 14475(13' 13' /02' (H5' 1%' /02' 3 ; (50' ?137. 40' D (/0' . 2%2. 2342' /1' ((5' 078(/ : 7 ' H : 34/ : 7 (/) ' /02' ' %1 1@(3 ;' 732491/2' 075' 8223' . 2 7/29 ' 02' (3 ;' 079' 1. 92. 29' 7' 42. /7(3' 54(23/(%(4' (35/3(? 23/' 1%' /02' 42 28. 7/29' ?24073(5/' 739' 1H/(4(73 ' 2552' 7 ? 5923 ' @0152' /7 23/5' 02' %:)' 7HH. 24(7/29 ' 739' @01 ?' 02' Q75' @((3 ;' /1' 18 (; 2 ' @7. 2' /07/' H : 34/ : 7 (/)' @75' 31/' 7 ? 13 ;' /02' Q(. / : 25' 1%' /02' 24423/. (4' ; 23(: 5 ' /02' (3 ;' H : . H152)' 37 ? 29' 7' 9(5/73/' 97) ' 13' @0(40' 02' 5/(H : 7/29' /07/' (/' 501 : 9' 82' H2. 5137)' 92 (Q2. 29' /1' 0(?' 7/' 2@ ' D (23' /02' 7HH1(3/29' 97) ' 01@2Q2. ' 7. . (Q29 ' ' 01/' 13)' @75' /02' (35/. : ? 23/' 5/(' : 3%(3(5029 ' 8 : /' (/' @75' 31/' /(' /02' 57 ? 2' 97)' / Q2 Q2' ? 13/05' /07/' /02' H0(151H02. ' H. 1422929' @(/0' (/' /1' 2@ ' @02. 2 ' /1' 0(5' 5 : . H. (52' 739' 9(57HH1(3/ ? 23/ ' 02' @75' (3%1. 7(29' /07/' 0(5' 79 ? (55(13' /1' /02' . 1) 70H. 252342' @75' (? H155(8 2 ' N 3)' /2 ' 0(5' 7G25/) 0' 02' 57(9' /1' /02' 52. Q73/5 ' N' /07/' (/' (5' 7 ? 5923 ' 739' ' 7 ?' 5 : . 2' /07/' 02' @(' 79 ?(/' ? 2 0' /' 23 ; /0' /02' H7 ; 2R(3R@7(/(3 ; ' 1Q2. H1@2. 29' 8)' 95' (? H1. / : 3(/(25 ' @75' (39 : 429' /1' 7331 : 342' 0(5' 7. . (Q7 ' /1' /02' (3 ; ' @01' ; 119R37/ : . 29)' 1. 92. 29' 0(?' /1' 82' : 502. 29' (3/1' 0(5' 4 152/ ' 7Q(3 ; ' (3' /02' %(. 5/' (35/7342 ' 47. 2J %:)' 2M7 ? (329' /02' (35/. : ? 23/ ' /02' (3 ;' 799. 25529' 0(? 52 %' /1' /02' ? 24073(5/ ' N' ' 7 ?' /1 9 ' . ' 7 ? 5923 0' 02' 57(9 ' N' /07/')1 :' 7. 2' /02' 275/' H : 34/ : 7 ' 1%' 73)' ? 73' (3' 3 ; 739 ' 739') 2/' ' %(39' /07/')1 :' 07Q2' >2H/')1 : . ' 7HH1(3/ ? 23/' /1' /02' Q2.)' 97) ' 02' 13)' 9(%%2. 2342' (5' /07/')1 :' 07Q2' ? (5/7>23' /02') 27. 0' F' D 023' 5 : . . 1 : 3929' 8)' 0(5' 40(9. 23 ' 1. ' @023' (3' /02' 514(2/)' 1%' H2. 5135' @01 ?' 02' 1Q29 ' /02' ? 7332. 5' 739' 413Q2. 57/(13' 1%' 21. ; 2' /02' 0(. 9' @2. 2' 9(5/(3 ; : (5029' 8)' /02' ; . 27/25/' 5(? H (4(/)' 739' ; 119R0 : ? 1 : . ' N' 3' 0(5' (3/2. 41 : . 52' @(/0' 0(5' 97 : ; 0/2. 5 0' @. (/25' (. ' 2. 82. /' 7) 1. ' 0' 739' @(/0' /02' : >25' 1%' 1. >

' F' 2?1(. 5' 1%' ' 1Q2 ' 9 ; 2@1. /0' Q1 ' !"*X' (. ' D 7 /2. ' 41//-5' : 4 - . 152' D 1. >5 ' Q1 ' ((' HH ' L+S < #

739' 7?8.(9;2' 0(5' /@1' %7Q1:.(/2' 5135'02'@75' ?15/' >(39' 739' 7%%24/(137/2' 739' 02' 23/2.29'@(/0' 522?(3;'(3/2.25/' (3/1' /02' 5:8G24/5' 739' H:.5:(/5'@ ((40' 23;7;29' /02(.' 7//23/(13R' /' ?7)' (39229' 82' 57(9' /07/' /02.2'@75'(3' 0(5' 7G25/)=5' ?7 332.' 739' 92H1./?23/' Q023'(3' /02' 4(.4 2'1%' ((5' %7?( )' 739'(3' /02' ?73(%25/7/(13' 1%' 0(5' 7%%24/(13'7' 407.74/2.' 1%' 5(?H (4(/)'@0(40' @1:9' 522?' /1' 82 13;' /1' /02' 43927(:3;' @7)5' 1%' 7' 40(9' .7/02.' /073' /1R7' ?73' 79Q73429'(3')27.5' 739' 1%/23' 1HH.2552 9' 8)' /02' @2(;0/' 739' 73M(2/)' 1%' 8:5(3255' 1 Q7.95' 0(5' 7//23J 973/5' 739' 52.Q73/5' 0(5' 0 7G25/)' @75'(39:;23/' 739' 4135(92J .7/2' 739' 02' ?(5529' 31' 1HH1./:3(/)' 1%' ;(Q(3;' 4.29(/' @02.2' 9:2' %1.' %7(/0%:' 739' 627 1:5' 52.Q(42' /'(5' 7 ?15/' 3229 255' /1' 799' /07/' /02)' @2.2' @7.?)' 7//74029' 739' U92Q1/29' /1B 0(? OF

02' 5/7/25?73' @01?' 32M/' /1' 1.9' 1./0'R/02' (3;' H2.R' U 5137)' 1Q29' /02' ?15/' 739' /1' @01?' 0(5' ?7332.' @75' 2Q2.' ?15/' 7%%24/(137/2' 7HH27.5' /1' 07Q2' 8223' 1.9' 913' '.' 91R' 31/' >31@ O' 57(9' /02' ?342 1.' N'@07/' ?792'^ 21.;2' /02' 0(.9' 51' %139' 1%' ?2' 8:/' 02' /' %139' 1%' ?2' (9' '2Q2.B' /2')1:' /02' ?7332.'(3' @0(40' 02';7Q2' ?2' /02' 27 5' D 023' '@23/' /1' 0(?' 02' 079' 0(5' 417/' 8://1329' /0:5' 132' 1.' /@1' 8://135' %75/2329' 7/' /02' 1 Q2.' H7(9Y' 739' H://(3;' 0(5' .(;0/' 0739' @(/0(3' 02' 9(=2@' /02' 27 5' 1:/' %.1?' /02' 2%/' 5(92' 57)J (3;<^ ;(Q2' /02?' /1' 0 + ' 0' "O'0K

02' (3;=5' 8(./097)' /02' %1:./0' 1%' :32' 07HH2329' /1' 82' /02' 57?2' 75' /07/' 1%' 1.9' 913' 3' 132' 1%' /02' 733(Q2.J 57.(25' 1%' /02' 97)' /02' % 7//2.' 079' 14475(13' /1' 7HH27.' 82%1.2' /02' (3;'(3' 0(5' %:' .1825' 75' 1.9' 07342 1.' 739' @75' 41?J ?234(3;'7' 5H2240' @(/0' /02' 5:7' %1.?7(/)<N'-2752')1:.' 7G25/)O' n4<@023' /02' (3;' 5:9923)'(3/2..:H/29' 0(?' N' /1H' 5/1H' O' 02' 57(9' N' ' @(50')1:' ?73)' 07HH)' .2/:.35' 1%' /02' 97)' 1@')1:' ?7)' ;1' 13' 8:/' .2?2?82.' ' 5H1>2' %(.5/O'

2?7.>5' 13' 73' ./(4 2'(3' /02' 9(38:.;O' 2Q(2@' H' !,
E' @(55=5' (%2' 1%' 1.9' 913' Q1 ' (' H' L#"]' ')O' Q1 ' ((' .R' LV"
' #

1.9 913 @75 13 731/02.' 14475(13 (3 /02 H.252342 1% 21.;2 /02 0(.9' @023 /02 .408(501H 1% 73/2.8:.)' 739 1/02.' H2.5135 1% 0(;0 .73>' %1.?29 /02 4(.4 2 7.1:39 /02 1Q2.2(;3' N ' 82 (2Q2 0 .2?7.>29 /02 (3;' N/07/ ' 7?' /02 %(.5/ (3;' @0152 .408(501H 1% 73/2.8:.)' 739 @0152 07342 1.' 81/0 .73 7@7)' @(/0 /02(.' @(Q25' D 75 (/ 31/ 51' 07342 1.'c1 1.9 913@75 5)' 231:;0 /1 /:.3 /02 7:; (' %.1?' 0(?52 % /1 /02 .408(501H' N 7)' (/ H 2752)1:.' 7G25/) 0 02 57(9' N/1 75> /02 .408(501H /07/ I:25/(13 %(.5/ 0< N /:/:.329 /02 7:;0 0 57(9 1.9 913' N/1 ?)' 5(92' %1.' /02 1.95 @2.2 82;(33(3;' /1 /(//2. 0 02 (3;' 13 731/02.' 14475(13 1852.Q29 /1 .408(501H ://13< N ' 82J (2Q2)1:.' ;.742 075 7 7.;2 %7?( )R.PR82//2.' /073 7 91623 0 N 1' (. 0 .2H (29 /02 .408(501H' N13)' 2 2Q23 0<' N D2 0 .2/1./29 /02 (3;' N(5 31/ /07/ 82//2.' /073 7 91623 c

1/0(3;' /02 (3;' 0>29 82//2.' /073 /1' %(3;' 7 ;119R 0:?1:.29 G25/ 7/ /02 7@)2.5' 1.' (35/7342' 7/ /02 /(?2 @023 1.9 0(2% 7.13 749137 9 739 .' 7.13 .707?' @2.2 52Q2.7)' 5(//(3;' (3 /02 1:./5 1% D25/?(35/2.' (/ @75 .2?7.>29 /07/ /02 13)' %7:/ 1% /02B 132 7)' (3 0(5 %(3;2.5' @0(40 @2.2 32Q2.' 1:/ 1% 0(5 53:%%R81M' 739 /07/ 1% /02 1/02.' /07/ 0(5 /13;:2 @75 52 91?' 5(23/' N .:2† 0 .2?7.>29 /02 (3;< N/02 1:(R/ 1% M402I:2.' 075 7 53:%%R81M 7/ 132 239' 739 7 407//2.R81M 7/ /02 1/02. 0 \

1.9 913 0(?52 %' 75 @2 07Q2 5223' @75 31/ 2M2?H/ %.1?' /02 07.? 255 .7(2.)' 1% ((5 1Q2.2(;3' /' /02 /(?2 @023 /02 H:3(50?23/ 1% 927/0 @75 ?:40 ?1.2 41??13 /073 7/ /02 H.2523/ 97)' (/ 07HH2329 /07/ 7 %11/RH79 079 8223 41392?329 /1 927/0 13 7441:3/ 1% 7 5/.22/ .1882.)' @0(40 02 079 41??(//29 4 152 /1 1.9 913=5 .25(92342 (3 ' 29%1.9 I:7.2' D023 /02 241.92.' H.2523/29 0(5 2H1./ /1 /02 (3;' 7 ' /02 (3(5/2.5' @(/0 /02 2M42H/(13 1% 132

;7Q2 (/ 75 / (2(.' 1H(3(13 /07/ / (2 ?73 5 (1: 9 82 2%/ %1.' 2M24:/(13' 852.Q(3;' 01@2Q2.' /07/ 1.9 913 079 31/ 5H1>23' /02 (3;' 47 29 :H13 0(?' %1.' 0(5 1H(3(13' @0(40 /02 07342 1.' ;7Q2(3 %7Q1:.' 1% ?2.4)' /079 8223 /02 4:5/1?' 57(9 0(5 1.950(H' /1 073;' %1.' 5/.22/ .1882.(25' 739 31 91:8/ /02 1%%2342 @75 7 Q2.)' ;.7Q2 132' 2 4135(92.29' 01@2Q2.' /07/ 7 9(5/(34/(13 1:;0/ /1 82 ?792 82/@223 47525 (3 @0(40 H2.5137' Q(1 2342 079 8223 .251./29 /1' 739 47525 (3 @0(40 /02.2 079 8223 3132' 3 /02 H.2523/ (35/7342' 02 79929' /02.2 079 8223 31 (91 2342' 739 02 /02.2%1.2 /01:;0/ (/ 7 4752 (3 @0(40 0(5 0 7G25/)' ?(;0/ %7(.)' 2M2.4(52 0(5 .1)7' 4 2?234)' N 2.)' @2 0 57(9 /02 (3;' N 5(3420(5 1.950(H' @01 (Q25 (3 29%1.9 I:7.2' /0(3>5 /02.2 (5 31 ;.27/ 07.?' (3 41??(//(3;' .1882.(25 /02.2' /02 H11.' %2 1@ 507 ' 82 073;29 0 F

32 ?1.2 732491/2 ?7)' 82 .2 7/29' 07Q(3;' .2%2.2342 /1 731/02.' 2?(323/ :9;2' 1.9 23)13' 01:;0 (3 1/02.' .25H24/5 7 Q2.)' @1./0)F?73' 1.9 23)13 @75 %.2I:23/)' 82/.7)29 (3/1 28: (/(135 1% /2?H2.' @0(40' (3 0(5 411 2.' ?1?23/5' 31 132 41: 9 ?1.2 922H)' .2;.2/ /073 0(?52 %' 739 @0(40' (3 %74/' 13 0(5 8241?(3;' 0(2% :5/(42 1% /02 (3;=5 2340' 02 079 5/.23;/0 1% ?(39 231:;0 /1 7)' :392.' 7 @01 251?2 413/.1' 02 (3;' @01 079 7 ;.27/ H2.5137' .2;7.9 %1.' 1.9 23)13' @75 Q2.)' @2 ' H 27529 @(/0 0(5 .2%1.?7/(13' N)' 1.9 0 02 57(9 /1 0(?' @(/0 7 H 27573/ H 7)' :H13 /02 @1.95< 027./07/ 5(342)1:' 07Q2 8223 (3 /02 (3;=5 2340' G?:' 07Q2 '0 " ' ' 1:'>31@ ?)' ;.27/ .2;7.9 %1.')1:' 739 ' ?7)' /02.2%1.2 Q23/:.2 /1 /2 ')1:' /07/ ' @75 ; 79 /1 027.' (/ 0 \

D(/0 /02 @(/ 739 24423/.(4(/(25 1% 21.;2 2 @)3' 31/ 1?(//(3;' /02 ?1.8(9 H 275:.2 02 /11>(3 @(/3255(3;' 7HH7 (3;' 542325' /02 (3;' 522?5 /1 07Q2 8223 H2.%24/)' %7?((7.' 02 %1 1@(3;' 2M/.74/ 1% 7 2//2.' %.1?' /1.2.' /1 1.9 :4> 739 31/ 13)' 2M0(8(/5 7 H 275(3;' (35/7342 1% /02 (3;=5 0:?1:.

V+ v ' ' ' '

8:f (f 7 51' (3/.19:425' :5' /1' 21.;2' 2@)3' 0(?52 %' 739' 0(5')' /02' %:/:(B2' 7.40(13255' 1%' 2./%1.9' /02' ?)5/2.(1:5' N' (2' (2'O' 1%' /02' 2@)3' 1..25H1392342' N' ';.27f' 2Q23/f' 075' /7>23'H 742' (3' 2@)3=5' %7?()' 792?1(52 2' B 7;3(73(' 075' 8223' H.2523/29' 7f' 1:./' %' 41:.52' (55' 7;3(73(' %1.' 502' @75' H.2523/29' 75' 7' 5:8G24f' 1%' .27f' .(/7(3' @75' Q2.)' 5H 239(9'X 8:f' 21.;2' @75' ?15f' ?7;3(%(J 423/' 739' +' (3' 2Q2.)' 7./(4 2' 1%' 9.255' (/02.' 7' %2@' 97)5' 82%1.2' /0(5' 2Q23/' 1.' 5113' 7%/2.@7.95' 02' @75' 7f' /02' 2Q22' f' /02' 57?2' /(?2' /02.2' @75' 7' H2/513' (3' /02' 4(.4 2' @01' 079' 8.1:;0f' :H' 73' 799.255' %.1?' /02' 41:3/.)' 739' @01' @75' /1' 82' >3(;0/29' 13' /07f' 14475(13' 21.;2' 75' 5113' 75' /02' (3;' 079' 5H1>23' /1' 0(?' @(/09.2@' 7:9' @23/f' 7@7)' 02' (3;' /023' >3(;0/29' /02' 7?8(/(1:5' 5I:(.2' 02' (3;' 7%/2.@7.95' (3' /02' 4 152/' 2MGP.25529' 0(5' 75/13(50?23f' /1' /02' .11?' (3' D7(/(3;' /07f' .' 2@)3' 501: 9' 31f' @(50' /1' 5/7)' /1' 522' /02' 42.2?13)' 1%' 0(5' ?7>(3;' /02' 32@' >3(;0/' 1852.QJ (3;' /07f' (f' 11>29' 51' (>2' 73' 2 " '/07f' 02' /11>' (f' %1.' ;.73/29' .' 2@)3' @1: 9' 07Q2' 5/7)29' /1' 522' (/' 21.;2' 027.9' 1%' /0(5'G1>2' 8:f' 9(9' 31f' (>2' (/' 2' (5' 13' /07f' 5:8G24f' 5/(' 'Q2.)' 51.2'O' F

02' (3;=5' ?(39' 079' 8223' 27.)' 739' .2?7(329' 2Q2.' 922H)' (?8:29' @(/0' 7' 52352' 1%' 0(5' .2(;(1:5' 18(;7/(135' D0(2' 5/(' 7' 81)' @2' %(39' 0(?' @.(/(3;' /1' 1.9' :/2' 13' /02' 14475(13' 1%' /02' .2H:52' 1%' 232.7' 82.4.1?8(2' 7f' (413R' 92.1;7X<N' %27.' /0(5' 4024>' @(' 'H.2Q23f' 82.4.1?8(2=5' H:50(3;' /1' .1@3' -1(3/X' 8:f' (3' /0(5' 75' (3' 2Q2.)/0(3;' 2 52' ' .2)' 23/(.2)' 13' -.1Q(92342' 739' /02' ;7 73f' 5H(.(f' 1%' ?)' 41:3/.)?23' 13/(3:(3;' /1' /.:5f' (3' /07f' 5:H2.(1.' 02 H' ' ?7>2' 31' 91:8/' /07f' (%' ' ?1:3f' /0(5' /0.132' '507' 5/(' 8)' .25/1.(3;' /02' 1Q2' 1%' Q(./:2' 739' .2(;(13' ?7>2' /0(5' 41:3/.)' ;.27f' 739' 07HH)O%

1' 132' 1%' 0(5' (3(5/2.5' %1.' @01?' /02' (3;'2Q2.' 23/2.R

F' :4>739' 1?5H' Q1' ((' H' +!*']' 07/(7?' 1?5H' 'Q1' ('H' LL

' *LC' ' ' L /' L

/7(329' /02' 5(342.25/' 7%%24/(13' @2' %(39' 0(?' /0:5' @.(/(3;' (3' !$$L

Nw 1.9' 7./?1:/0

N' '.2/:.3' /02' 2//2.')1:'41??:3(47/29'51?2'/(?2'5(342' /1'?2' /'413/7(35'?73)'Q2.)':52%:'25513 5'/1'7')1:3;'?73'X 8:/''41:9'07Q2'@(5029'/07/'/02'7:/01.'079'H:/'82%1.2'0(5')1:3;' %.(239'/02'13)'/.:2'(3423/(Q2'/1'7'.24/(/:92'1%'4139:4/''?273' /02'82(2%'(3'7':H.2?2'2(3;'739'/07/'@2'3.2'/1'82'.2@7.929' 1.'H:3(5029'7;.2278)'/1'/(2'(Q25'@2'279'%'/02'%(.5/'1%'7' 9:/(25 R/07/'/1'19'(5'31/'>31@3''%27.'/07/'31'1/02.'473'82' 2MH24/29'X 739'75'/1'/02'%750(1378 2'@1.9' /07/'32Q2.'@(' 7 132';:(92'7'?73'%7./02.'/073'/1'H:.5:2'7HH27.73425' '@(' 31/'799'?1.2'%1.''>31@'/07/''7?'@.(/(3;'/1'7'/.:2'82(2Q2.'132' @01'501@5'8)'0(5'74/(135'/07/'02'(5'31/';1Q2.329'8)'/02';.27/25/' 1%/).73/5'750(13 0'F

'.2?7.>78 2'2Q(92342'1%/02'(3;=5'H(2/)<0(5'924(3(3;' 7/'0(5'41.137/(13'/1'.242(Q2'/02'1)':407.(5/'Q27.(3;'0(5' 4.1@3'13'0(5'0279<075'7.279)'8223'.2 7/29'(3'/0252'H7;25 BYB' 27.)'07%7'423/:.)'7%/2.@7.95'@2'%(39'/02'(3;'.2Q2./(3;' @(/0'7HH7.23/'57/(5%74/(13'/1'0(5'4139:4/'13'/07/'14475(13' 3'!"*V''7'501./'/(?2'H.2Q(1:5)'/1'/02'35/7 7/(13'1%'/02' 3(;0/5'1%'/02'7./2.'/02'7.'1%'025/2.%(2 9'GB 23I:(.29' 1%'0(?'51?2@07/'/01:;0/255)'Q02/02.'(/'@1:9'82'.2I:(J 5(/2'%1.'/02'32@)R4.27/29'>3(;0/5'/1'.242(Q2'/02'74.7?23/' 02'(3;=5'41:3/237342'(35/73/)'755:?29'7'52.(1:5'(%'31/' 52Q2.2'2MH.255(13'N 1T'?)'1.9XO'02'57(9'N/02'1)' 74.7?23/'(5'31/'/1'82'H.1%7329'8)'1:.'1/0(4'(35/(/:/(135' Q23'7/'?)'41.137/(13''@75'Q2.)':3@((3;'/1'/7>2'(/'8:/' /02)'/19'?2'(/'@75'(39(5H23578 2'5'(/'@75''/11>'1%%'/02' 87:8 2'%.1?''?)'8279'82%1.2''7HH.174029'/02'7/7.0'e

F'A:7./2.)'2Q(2@'Q1''4Q''H'S"S
]'22''Q1''('H'!*V'739'(501H'2@/13=5'D1.>5'(%2'1%'(?52%'Q1''('H'"S
('-0((H'%(%/0'7.'1%'025/2.%(2 9''2'@75'75/2.'1%'/02'1.52'/1'/02'(3;' %.1?'28.:7.)'!$,"'/1':)'!"*S'739'73'25H24(7'%7Q1:./(2'@(/0'0(5'.1)7'?75/2.' 2'9(29'+,':;:5/'!"!V
e'D.7M7=5'(5/1.(47'2?1(.5'Q1''((''HH'+*'+!

.1?' /02' H2:' 1%' 73' 2)2R@(/3255' @2' 07Q2' 7' Q2.)' (3J /2.25/(3;' 7441:3/' 1%' /02' (3;=5' 92?2731:(F' 7/' 132' 1%' /0252' (?H15(3;' 42.2?13(25<' /02' 35/7 7/(13' 1%' /02' 3(;0/5' 1%' /02' 7./2.' @0(40' /110' H 742' 7/' D(3951.' (3' !$"$' 02' (3;0' @.(/25' 797?2' = .8 7)' N@75' /1' ?7/2' 73' 1%%2.J (3;' 75' 1Q2.2(;3' 1%' /02' 7./2.P' 2' @75' 527/29' (3' /02' 273' 1%' D(3951.=5' 5/7 'R739R' /02' A:223' 57/' 8)' 0(5' 5(92' 02' -.(3425525' @2.2' (3' /02'1HH15(/2' 527/5' 739' 7 ' 1%' /02?' 7/' /02' 239' 1%' /02' 40:.40' D023=' /02' 52.Q(42' @75' 1Q2.' /02' 1%%2.(3;' 42.2?13)' 82;73' 02' 273' 739' /02' 523(1.' ' 7313' @23/' %(.5/' /1' /02' 1??:3(13' 78 2' 02' 273' /023=' .279' 7 1:9<^ 2/')1:.' (;0/' 51' 50(32' 82%1.2' K?23=3 ' 02' 1.;73' 82;73' 7' 5 1@' 739' 51 2?3' ?1Q2?23/' 739' /02' (3;' RB 47?2' 91@3' %(R81?' 0(5' P5/7 ' 739' H.1422929' Q(/0' 7';.7Q2' 739' R ?7G25/(4' @7>' /1@7.95' /02' 1??:3(13' 78 2' D023' 02' 079' H.1422929' 781:/' 7' /0(.9' 1%' /02' @7)' 02' 5/1HH29' 7((9R' 81@2B9' /1' /02' 7 /7.' 023' 02' 7;7(3' ?1Q29' 13' 739' 7/ 73' 2I:7' 9(5/7342' 5/1HH29' %1.' /02' 57?2' %1((07 (/)' @0(40' @75' 7' /0(.9' 739' 75/' /(?2' .2H27/29' 75' 02' .274029' /02' 5/2H5' 1%' /02' 7 /7.' 023' 02' ?792' 0(5' 1%%2.(3;' ^@0(40' 7441.9(3;' /1' /02' 1.92.' 1%' /02' 1.(;(37' (35/(/:/(13' @75' /23' H1:395' (3' ;1 9' 739' 5(Q2.' 739' 92 (Q2.29' (/' (3' 7' H:.52' 2' /023' >32 /' 91@3' 739' ?792' 7' 5(23/' H.7)2.' 7%/2.' @0(40' (3' /02' 57?2' ?275:.29' 5/2H5' 02' .2/:.329' /1' 0(5' 5/7 ' @023' /02' @01 2' 42.2?13)' 4134 :929' 8)' 731/02.' 5 1@' ?1Q2?23/' 13' /02' 1.;73' 02' 7(.' 1%' H(2/)' 739' /02' :37%%24/29' ;.742' 739' 9(;3(/)' @(/0' @0(40' /02' (3;' H2.%1.?29' /0(5' .(/2' 5:.H.(529' 739' ?1Q29' ?2' .' ?2/' /02' ?15/' 7%%24/(137/2' 1%' 0(5' ?73)' 1)7' 5:8G24/5' 2Q23' 5029' /27.5' %.1?' 2?1/(1:G' (3' 11>(3;' 7/' 0(?' (3' /0(5' 52.(1:5' 1%%(42' 02' (3;' ' 7?' /1 9' 7 @7)5' 74I:(/5' 0(?J 52 %@(/0' /.:2' ?7G25/)' @02.2' 02' (5' 3242557.( )' /1' 7HH27.' (3' 5/7/2F' 75' 7' ?137.40 0' F

01:;0' 5/.13;)' 1HH1529' /1' 7/01 (4' ?734(H7/(13' /02

(3;' 75' @2' 5 (7 ' H.2523/)' 7Q2' /1' 92?135/.7/2 ' @75 ' (3' 7 ' 1/02.' .25H24/5 ' %.(239)' /1' .2 ;(1:5' /1 2.7/(13 ' 73)' 1%' (5' 52.Q73/5' 2.2' (5523/2.5 R' 739' 1%' R/ 2' 2/019(5/5' 02' 5H1>2' Q(/ (>(393255 ' 2(/02.' E)75' 02' 0(;1/29)' 1HH1529' /1' .2%1.?5' (3' /0P' 0(= 0 PH%' 3;739 ' D023 ' (3' !$,* ' . ' D7/513 ' B (501H' 1%' 7397%% B' H.1H1529' /1' /02' :>2' 1%' .7%/13' /1' (3/.19:42R' 7' (PR(3/1' /02' 1:52' 1%' 1.95' %1.' 2MH:3;(3;' /02' /07375(7:' .229' %.1?' B/02' (/73) ' /02' (501H' 7HH27.5' /1' 07Q2' %1:3929' ((5' KO1H25' 1%' 5:44255' 13' /02' 5/.13;' H.25:?H/(13' /07/' /02' (?7Q7/(13' @1: 9' 31/' 02' 9(5H 275(3;' /1' /02' (3; ' ' 4:.(1:5' 732491/2' 13' /0(5' 5:8G24/' @75' .2 7/29' /1' /02' (501H' 8)' . ' 282.923 R' 3' 51?2' 14475(13' 7/' D(3951. ' @023' /02' .229' 1%' /' /07375(:5' %1.?29' H7./' 1%' /02' 7HH1(3/29' 52.Q(42' 1%' /02' 97) ' /02' 1%%(4(7/J (3;' 4 2.;GP?73' 31' 51132.' 41??23429' .279(3;' /02' @1.95 < ' N' 4 ' ' 3'$ # " n4 ' /073' /02' (3;' @0152' H.74J /(42' (/' @75' /1' H.131:342' 2Q26)' .25H1352' (3' 7' 4 27.'R 739' 7:9(8 2' Q1(42 ' 5:9923)' L247?2' 5(23/ ' :.H.(529' 7/' /02' 4(.4:?5/7342 ' /02' 4 2.;)?73R' .241??23429 ' (3' 7' (37%>29' 739' 1:92.' /132 < N' 5 ' + ' ' #)3 ' /' @75 ' 01@J 2Q2.' /1' 31' H:.H152 ' 02' (3;' ?7(3/7(329' 73' (?H2./:.878 2' 5(2342' /(' /02' (3(5/2.' 41??23429' /02' H15/ 25= .229 ' @023' 0(5' 7G25/)' 92 (Q2.29' /02' .25H13525' @(/0' 0(5' :5:7 ' 9(5/(34/' 739' 7:9(8 2' (3/137/(13TF

31/02.' 407.74/2.(5/(4' 732491/2' 075' 8223' .2 7/29' 1%' 21.;2' /02' 0(.9 ' @0(40 ' (%' (/' 079' 8223' /1 9' 1%' 73)' 1/02.' ?137(=40' 255' 2?(323/)' H(1:5 ' ?(;0/' %7(.)' 07Q2' 2MH1529' 0(?' /1' /02' 407.;2' 1%' (..2Q2.2342 ' 1@7.95' /02' 7//2.' H7./' 1%' 0(5' .2(;3 ' 82(3;' (3' 7//2397342' 7/' (Q(32' 2.Q(42' 7/' 7' /(?2' @023' 0(5' ?(39' @75' ?:40' 9(5/.74/29' 8)' H1 (/(47 ' 2Q23/5 ' 02' 413/(3:29' /1' .2H27/' /02' .25H13525' @(/0' 0(5' :5:7 ' 47 ?3255' /(' /02' 413J ;.2;7/(13' 47?2' /1' /02' /23/0' Q2.52' 1%' /02' 6)' 2" " ' 7 ' 2;7.9(3;' /02' @1.95' 75' 5(3;:7.)' 7HH (478 2' /1

95 1@3 4(.4: ?5/73425 (2 (5 57(9 /1 07Q2 /0. :5/ %1.@7.9 0(5 H2.513 %.1?/02 .1)7 4 152/ 739 /1 07Q2 .2H27/29 @(/0 73 :3?(5/7>78 2 2?H075(5 X< N 1./))27.5 13;@75 8 ;.(2Q29 @(/0 /0(5 ;232.7/(13 739 57(9 (/ (5 7 H21H 2 /07/ 91 2..(3 /02(.027./5 %1./02) 07Q2 31/ >31@3 0@7)5 0

5 /02 %.(239 739 79Q1=47/2 1% .2 (;(1:5 /1 2.7/(13 @023J 2Q2.02 4135(92.29 (/ /1 82 4135(5/23/ @(/0 0(5 1.137/(13 17/0 /11 ?:40 H.7(52 47331/ 82 7@7.929 /1 21.;2 /02 0(.9 2 @75 13 132 14475(13 H755(3;8) 7 H 742 1% @1.50(H (3 /02 32(;081:.0119 1% 132 1% 0(5 H7 7425 @023 H2.42(Q(3;(/ /1 82 5:..1:3929 8) 7 9(51.92.) 4.1@9 1% H2.5135 02 5/1HH29 0(5 47..(7;2 739 23I:%.29 /02 47:52 1% K/02 9(5/:.87342 7Q(3;8223 /1 9 /07/ (/ @75 13) N 51?2 7%%7(.0 82/@223 /02 2/019(5/5 739 /02(.32(;081:.5 02R ?792 31 524.2/ 1% 0(5 9(5H 275:.2 N 02 2/019(5/5 0 02 57(9< 1:9 231:;0 /1 82 027.9 8) ?73) 1% /02 8)5/7392.5< N 7.2 7 I:(2/ ;119 >(39 1% H21H 2 739 @(9(5/:.8 31819) % 473 27.3 /07/ 73) H2.5135 (3 ?)2?H 1)?23/ 9(5/:.8 /02?/02) 507 82 (35/73/)9(5?(5529 0 3 /02 ?13/0 1% 1Q2?82.! $$* @2 %(39 0(?;(Q(3;132 /01:5739 H1:395 %1./02 8232%(/ 1% /02 (5523/?;(3(5/2.5 .25(9(3;(3 1Q7 41/(7 739 7/ /02 57?2/(?2 5:854.(8(3;%(Q2 0:39.29 H1:395 /1@7.95 8:(9:(;7 40:.40 (3 /02 7Q1) %1./02 :52 1% /02 2.?73 -.1/25/73/5 (3 13913 F 3 731/02.14475(13 @023 7 .(;0/ .2Q2.239 H.2 7/2 41?H 7(329 /1 0(?1% /02 (5523/2.5 739 1% /02 N;.27/ 9(5/:.87342 0 @0(40 /02)?792 (3 0(5 (14252 /02 (3;7/ 1342 5(23429 0(5 ?:.7(:.5 N 7>2 (501H5 1%/02?)1.9 0 02 57(9 N?7>2 (501H5 1%/02? 0< N :/ (.0 @75 /02 .2H) N@2 47331/?7>2 7 (501H 1% 79) :3/(3;913 0< N 1 0 57(9 /02 (3;N8:/ 522 (%)1:47(?1/ (?(/7/2 /02 627 1% /0252 H21H 2 0< N b @(50 0 02 79929 N/02.2 @75 7 79) :3/(3;913 (3 2Q2.) 9(14252 (3 ?)>(3;91?0%

U 33:7 2;(5/2.%1.!$$*H !#!
] (%2 739 (?25 1% 2 (37 1:3/255 1% :3/(3;913 Q1 ((H +"+ 79) 2 (37

D(/0 79) :3/(3;913 02.52%' @023 /07/ H(1:5 739 2M42 23/ @1?73 47?2 /1 02 H2.5137)>31@3 /1 0(?'/02 ?;' 522?5 /1 07Q2 8223 2M4229(3;) H 27529' 02 7HJ H27.29'02 /1 9 1.9 7./?1:/0' /1 41?8(32'@(/0 /02 2752 739 H1 (/23255 1%7 @1?73 1%.73>'/7 23/5 1%7 Q2.)'5:H2.(1.' 1.92.' 739 73 23/(:5(75?' (3 /02 47:52 1% .2(;(13 @0(40 .2392.29 02.' 73 0131:.'/1 02.' 52M' 1 79) :3/(3;913 02.52%02 1852.Q29<N '07Q2 8223 /1 9 51 ?73)' 199 /0(3;5 1%)1:.' 79)50(H' /07/ ' 7?'%.22 /1 413%255 '%2 / 7 ;.27/ 92;.22 1% 4:.(15(/)' /1 522 (%)1:' @2.2 7/ 7 ' (>2 1/02.' @1?23 0 2 79929'01@2Q2.<N ' 7?' 07HH)' (3 07Q(3;' 73 1HH1./:3(/)' 1% 755:.(3;')1:.' 79)50(H 01@ Q2.)'0(;0)' ' 25/(?7/2)1:.' 407.74/2.')1:.' 627 ' 739 78((/(25' @0(40 47331/ 82 413524.7/29 /1 7 ?1.2 318 2 H:.H152 0 %' /02R (3;' @75 H 27529 @(/0 79) :3/(3;913' 502 522?5 /1 07Q2 8223 31 255 57/(5%(29 @(/0 02.' .242H/(13 8)' /02 279 1%/02 0:.40' N D 2 9(54:5529 0 502 @.(/25' N7 ;.27/ ?73)' /1H(45' %1.' /02 413Q2.57/(13 75/29 :H@7.95 1% 73 01:.' @(/01:/ (3/2.?(55(13' 02 A:223 5H1>2 7 ;119 927 X 75>29 ?73)' I:25/(135'B739 82%1.2 ' .2/(.29 (35(5/29 13 ?)'/7>(3;' 51?2 .2%.250?23/' 3 H7./(3;' '@75 H2.?(//29 /1 >(55 /02(.' 7G25/(25± 07395' 739 @023 ' .2/:.329 ?)'0:?8 2 739 ?15/ ;.7/2%:' 74>31@ 29;?23/5 %1.' /02(.' Q2.)';.27/ 4139254235(13' /02(.' 7G25/(25 (??29(7/2)' 755:.29 ?2 /02)' %2 / 81/0 ;.7/(%(29 739 H 27529 @(/0 /02 (3/2.Q(2@' @0(40 /02)' @2.2 51 18(;(3;' 75 /1 @(50 ?(;0/ 82 .232@29 0 1?2 /(?2 7%/2.@7.95' @023 7 79)' 1% 0(;0 .73>' 791H/(3;' /02 %750(13J 78 2 G7.;13 1% /02 97)' 5322.29 7/ /0(5 79?(.78 2 @1?73 75 7 ?2.2 @(9 23/0:5(75/R /02 (3;'7/ 1342 :392./11>' 02.' 92%2342' N .2)1:' 74I:7(3/29 @(/0 79) :3/(3;913c0 02 ;119R0:?1:.29)'75>29' N 1 0 @75/02 .2H)' N 7Q2)1:'2Q2.'8223 (3 02.'514(2/)c0<N 2Q2.0<N 023 0 57(9 /02 (3;' N32Q2.'%1.?')1:.' 1H(3(13 1% 73)' 132 %.1?' /02

av" (' ' ' '

(R37/x.24' .2?7.>5' 739' 4235: .25' 1%' 1/02.5' :9;2' %1.')1: .J 52 %X' 739')1:' 07Q2' ?)' 27Q2' /1' /2 ' 73)' 819)' 01@' 0(;0)' ' /0(3>' 1%' 79)' :3/(3;913 0' B

79)' :3/(3;913=5' 18G24/' (3' 522>(3;' 73' (3/2.Q(2@' @(/0' /02' (3;' @(' 82' 825/' 2MH 7(329' 8)' /02' %1 1@(3;' .2?7.>78 2' 2//2.' 799.25529' 8)' /02' (3;' /1' /02' -.?(7/2' .' 1?R' @7 (5' <

' 8 ' ' '&) 5 ' ' 5 ,#

N')';119' 1.9' -.2 7/2

N' ' 41: 9' 31/' 92 7)' ;(Q(3;')1:' /02' 31/(%(47/(13' 1%' /02' ;.(2%' 739' 41342.3' R@(/0' R@0(40' ?)' 8.275/' R@75' 7%%24/29' 7/' .242(Q(3;' 7:/023/(4' (3%1.?7/(13' /07/' ' 07Q2' ?792' /02(.' R@7)' (3/1')1:.' -7 742' /' /02' 57?2' /(?2' '?:5/' 5(;3(%)' /1')1:'?)' 523/(?23/5' 13' /0(5' 5:8G24/'@0(40'01 9'/0152' 2Q(/(25' 739'Q7(3' 9(55(H7/(135' 75':/2.)' (32MH29(23/' (%' 31/' :3 7@%:' /1' H755' (3' 7' .25(92342' %1.' ?73)' 423/:.(25' 92Q1/29' /1' 9(Q(32' 5/:9(25' .2(;(1:5' .2/(.2?23/' 739' /02' 2M/235(Q2' 2M2.4(52' 1%' 407.(/)' 739' 8232Q1 2342 ' '799' (3' 7' H 742' @02.2' 51' ?73)' 1%')1:.' H.29242551.5' 07Q2' 29' /02(.' (Q25' (3' 5:40' 5734/(/)' 75' 075' /0.1@3' :5/.2' 13' /02' H:.2' .2(;(13' /02)' H.1%25529' 739' 791.329

N' .1?' /02' 9(557/(5%74/(13' R@(/0' @0(40')1:' ?:5/' H2.42(Q2' ' 8201 9' /0252' (?H.1H.(2/(25<31/' /1' 5H27 4' (3' 07.502.' /2.?5<739' 13' 5/(' ?1.2' H(1:5' H.(34(H 25' ' /.:5/')1:' B@(' 5:HH.255' /02?' (??29(7/2)' 51' /07/' ' ?7)' 31/' 0(Q2' 14475(13' /1' 501@' 73)' %:./02.' ?7.>5' 1%' ?)' 9(5H 275:.2' 1.' /1' (3/2.H152' (3' 7' 9(%%2.23/' ?7332.

N' 7)' 19' /7>i')1:.' .742' (3/1' 0(5' ?(;0/)' H.1/24/(13

N' ' .2?7(3' ?)' 1.9' -.(?7/2

N' 1:.' ;.74(1:5' %.(239

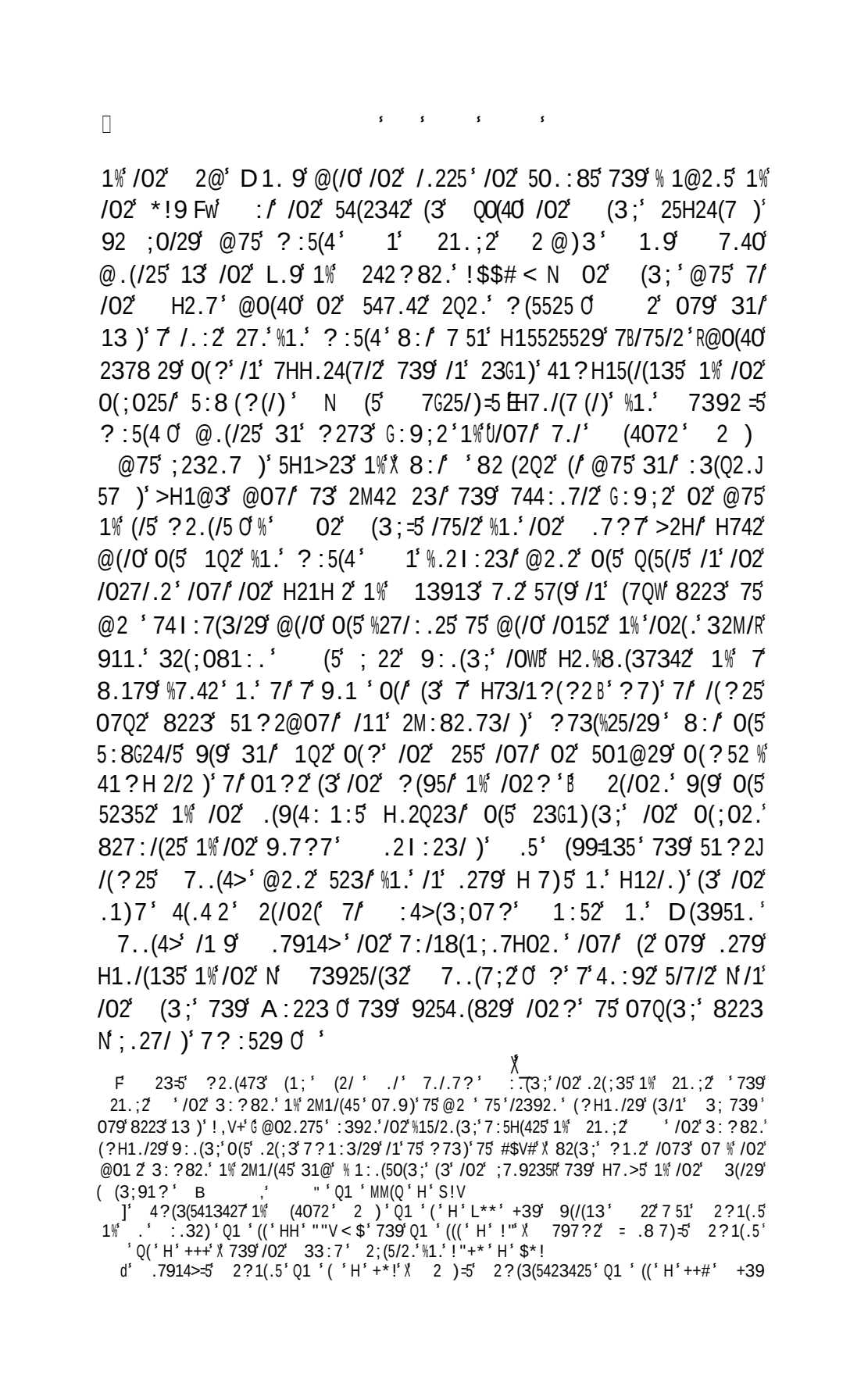
N' ' 0' /

D 2' 07Q2')2/' /1' .241.9' 51?2' %:./02.' H 275(3;' 2Q(92342' 1%' /02' 23 (;0/2329' 082.7 (/)' 1%' 7' ?137.40' @01' 075' 8223' /11' 1%/23' 9231:3429' 75' /02' 9:25/' 1%' /02' 9:' 739' /02' ?15/' 8(;1/29' 1%' 8(;1/ (' /' 7' /(?2' @023' /02' 29:47/(13' 1%' /02' H11.2.' 4 75525' 1%' 514(2/)' @75' 9231:3429' 8)' H.2 7/25' 739

F' (%2' 739' (?25' 1%' 2 (37' 1:3/255' 1%' :3/(3;913' Q1 ' ((' HH' +"+' +"L' +"VX' /' yD9 '' 1' ((' H' +"L

5/7/25?23 75 7 973;2.1:5 739 2Q2 (3;' (331Q7/(13' 21.;2' /02 0(.9 31/ 13)' 7331:3429 0(5 7GYH.1Q7' 1` /02 32@' 5)5/2?' 1% (35/.:4/(13 (3/.19:429 8)' 152H0 73475/2.' 8:/ 2M/23929 /1 8:3 :5H7/.137;2' 739 5:854.(829 /1 0(5 54011 5' N 2 01H29 0 @75 0(5 2M7 /29 2MH.255(13' N/1 522 /02 97)' @023 2Q2.)' H11.' 40(9 (3 0(5 91?(3(135 501: 9 82 78 2 /1 .279 0(5 (8 2 0< N 01:57395 1% .7;;29 40(9.23 0 @.(/25 /02 9(38:.;0 2Q(2@2.' (3 !"*$' N@(' H.7)' %1.' 0(?=739 .2?2?82.' 0(?' 13;' 7%/2.' 0(5 7G25/)' (5 %1.;1//23 8)' 2Q2.)' 1.9 1% /G2 07?82.' 739 8)' 2Q2.)' 2.>1%' /02 152/0B= 7HH()' /02 H1@2(%:' 739 37..1@R?(3929 H.2G:9(42 @0(40 @1:9 @((3;)' 07Q2 5/(%29 /02 2%(8./5 1% /02 (:5/.(1:5 /27402.' 739 92H.(Q29 /02 H11.' 1% /02 8232%(/5 1% >31@ 29;2 739 /02 8 255(3;5 1% .7/(137' .2(;(13' H.1Q29 1% 31 7Q7('' 0(5 H0231?2313 0 H.142295 /02 9(38:.;0 2Q(2@2.' N@2 1 Q2 /1 /02 01325/739 (3/.2H(9 5:HH1./@0(40 /02 ?137.40' /02 -279 1% /02 0:.40' ;7Q2 /1 /02 1HH.25529 24/7.)= 739 Q2.27)' (3 1:.' 41354(2342 /0(3> (/ /02 8((;0/25/H7557;2 :(/02 0(5/1.)' 1% 0(5 13;' 739 2Q23/%:' .2(;3 0 1 920;0/29 @75 /02 (3;' @(/0 73 7./(4 2 (3 /02 9(38:.;0 2Q(2@' @.(//23 8)' /02 7/2 2Q2.239)932)' ?(/0' 92%239(3;' 152H0 73475/2.' 7;7(35/ /02 015/(0/)' 1% /02 0:.40' /07/ 02 ?792 (.' 2.82./ 7) 1.' .279 (/ /1 0(?' 7 524139 /(?2'GX 02 H:.5:(/5 739 7?:52?23/5' @(/0 @0(40 21.;2 /02 0(.9 144:H(29 0(5 2(5:.2 01:.5' @2.2 5:40 75 2Q(3429 73 (3/2 (;23/' 73 7441?H (5029' 739 73 7?(78 2 ?(39' 2 /11> 7 H 275:.2 (3 H7(3/(3;' 7.40(/24/:.2' 739 81/73)' /@75 :392.' 0(5 H7/.137;2 /07/ /02 2?(323/ ?2.(473 81/73(5/' 1?' 7./.7?<N /02 ;.27/25/37/:.7' 81/73(5/(3 /02 @1. 9 0 75 (3372:5 5/) 29 0(?<H.1524:/29 0(5 5/:9(25 739 .2527.4025 %.1?' /02 501.2 1% 7>2 3/7.(1 /1 /02 51:.42 1% /02 .(Q2.' /' :73' /0:5 5:HH)(3;' /02 ;7.9235 739' H 275:.2R;.1:395

F 9(38:.;0 4Q(2@' Q1 ' M(' H' $!
]' 9(38:.;0 1./2@' Q1 ' MQ((' HH ' #,' "V
(' 2 24/(135 %.1?' /02 D.(/(3;5 1% /02 2Q' GP 32)' ?(/0' H' ' 22 /02 9(3J 8:.;0 2Q(4@' Q1 ' (M' H' !$$



31/02.' H:.5:(/' (3' @0(40' 21.;G2' /02' 0(.9' /11>' 7' 5/279J %75/' (3/2.25/' @75' 7;.(4: /:.2' 1' /02' 627 1:5P' 2M7?H 2' (39229' @ ((40' 02' 52/' 0(5' 5:8G24/5' ?7)' 82' /.7429' /02' 1.;73J (67/(13' 1%' /02' H.2523/' ;.(4: /:.7' 14(2/(25' 739' /02R' ;.27/' 8232%(/' @0(40' /02)' 07Q2' 413%2..29' :H13' /02' 41:3/.)' 3J 1/02.' %7Q1:.(/2B' H:.5:(/' 1%' /02' (3;' @75' /02' 5/:9)' 1%' ?2J 4073(45B' 3' /02' 4135/.:4/(13' 1%' 1H/(47' 739' 1/02.' H0(151H ((47' (35/.:?23/5' 02B' /11>' 73' 25H24(7' H 275:.2' 02' 7./5' 739' 54(23425'(39229' 7)':392.'7' ;.27/' 18 (;7/(13' /1' 0(?' 2%1.2' 02' 079' 4137H 2/29' 0(5' /0(./)R%(.5/')27.' 7' 318 2' 852.Q7/1.)G' 41?H 2/2)' %(//29' @(/OR' 2Q2.)' SHH7R.7/:5' .2I:(.29' %1.' H0(151J H0(47' H:.HH525' 079' 8223' 2.24/29' 8)' (.RD((7?' 07?82.5' 7/' /02' 3;=5' R2MG(2352' (3' /02' N 9' -7.>O' 7/' (40?139' 2' 079' .7(529' /02R' 7./' 1%' H7(3/(3;' %.1?' (/5' 13;' 32; 24/29' 739' 92;.7929' 5/7/2' 8)' %1:39(3;' /02^ 1)7' 4792?)' 1%' @0(40' (.R 150:7' 2)31 95' @75' 7HH1(3/29' /02' %(.5/' -.25(J 923/' 2' @75'7 51'0131:.29' @(/O' >3(;0/0119' 13' /02' 14475(13' 75/)' :392.' /02' (3;B5' (??29(7/2' 7:5H(425' 7H/7(3' 11>' (3' 41?H73)' @(/O' /02' 27.329' 37/:.7 (5/' .' 1 7392.' .' .223' 55(5/73/' 5/.131?2.' 1)7' 739' (.' 152H0' 73>5' 57(29' %1.B' 2@' C27 739' @(/O' /02' 91:8 2' 739' 79?078 2' 18G24/' 1%' 2M/239(3;' ?7.(/(?2' 9(541Q2.)' 739' 79Q734(3;' /02' (3/2.25/5' 1%' 75/.131?)' 739' 1%' 1/02.' 8.734025' 1%' 54(2342' :(R(3;' /02' .2(;3' (39229' 1%' 31' .(/(50' ?137.40' 5(342' /02' 97)5' 1%' /02' 23 (;0/2329' 739' 7441?H (5029' :91.5' 079' /02' 5H(./' 1%' 37Q7' 23/2.H.(52' 739' 9(5/73/' 9(541Q2.)' .242(Q29' 7' ?1.2' 2341:.7;(3;' (?H:52' /073' :392.' /02' 13;' 739' %15/2.(3;' H.1/24/(13' 1%' /02' ?15/' :3G:5/)' ?7(;329' 1%' /02' -.(3425' 1%' /02' 1:52' 1%' .:35@(4>' N 02' .2(;3' 1%' 21.;2' /02' 0(.9O' @.(/25' /02' A:7./2.)' 2Q(2@2.' (3' !"!$' N @(' 5/739' 4135H(4:1:5' 739' H.1:9)' H.2R2?(323/' (3' %:/:.2' 0(5/1.)' %1.' ' /02' 5H(./' @(/O' @0(40' 9(541Q2.(25' @2.2' H.1524:/29' 739' /02

#+

18G24/5 1% 54(2342 H.1?1/29 0 7.)' (3 0(5 .2(P /02 E%7?1:5 Q1)7;25 1%).13 739 11> 23G1)29 0(5 (??29(7/2 2341:.7;2?23/ 2 31 13)' 23/2./7(329 7 922H)' H7/.(1/(4 %22 (3;' %1.' /02 7Q)' 8:/ 079 74I:029 7 H7./(7' >31@ 29;2 1%' 7Q7' .40(/24/:.2' @0(40 02 H.252.Q29 8)' .2/7(3(3;' 7/ :4>(3;07?' 1:52 ?192 5 1% /02 1)7' 14>)7.95 739 50(H5' @0(40 02 /11> 7 H 275:.2 (3 4135:/?;' N 0252 ?1925 1% 2M2./(3;' 7 5:H2.(3/2392342 1Q2.' /02 7Q) 0 @.(/25 /02 ?2.(473 (3(5/2.' :50' N522?' 82//2.' (3 /02?52 Q25' 739' (/ ?:5/ 82 1@329' ?1.2 82%(//29 7 51Q2.2(;3' /073 (% 02 079 /:.329 5 ((HR47.H23/2.' (>2 -2/2.' 1% :55(7 0 0F

N 02 7/2 (3;0?' /02 @1.95 1% /02 A:7./2.)' 2Q(2@2.' N 7HH.24(7/29 H7(3/(3;' 739 ?:5(4 @(/0 7 .27' %22 (3;' 1% @07/ @75 2M42 23/ (3 81/0' 7392' @75 0(5 %7Q1:.(/2 ?:5(4(73' 739 (/ @(' 82 .2?2?82.29 /1 0(5 013I:.' /07/' %1.' /0(./)')27.5' 02 2?H 1)29 .' D 25/ @023 /07/ 79?(J .78 2 7./(5/ 079 31 41??(55(13 %.1?' 73)' 1/02.' H2.513 0 ' (.' 150:7 2)31 95 @75' H2.5137)' 7 %7Q1:.(/2 @(/0 0(?'X %1.' /02 ;23(:5 1% 7..)' 02 23/2./7(329 7 0(;0 79?(.7/(13X .?92.' 0(5 H7/.137;2 2.Q(5 ?792 0(5 07HH)' (?H.1Q2?23/5 (3 /02 827:/(%:' 7./ 1% 5/7(3(3;' 739 41 1:.(3;' ; 755' 2/@223 /02)27.5 !$"*' 739 !"*!' /02 (3;' H7(9 /1 D 25/ %1.' H(4/:.25 739 925(;35 31 255 7 5:?' /073 `LS !"$'Xe 739 %1.' /02 5:?' 1% `+* ***' H:.407529 /02 %(32 41 24/(13RF1% H7(3/(3;5 739 ;2?5 ?792 8)' 152H0 ?(/0' 5I ' 135:'7/ 23(42'$ 2 31/ 13)' (35/(/:/29 /02 1)7' 4792?)' 8:/ /11> 7 4135/73/ (3/2.25/ (3 (/5 @2 R82(3;' 739 @75 H.1:9 1% 82(3;' (/5 %1:392.' 2 92H.247/29 73)/0(3;' (>2 9(55235(13 7?13;' /02 4792?(4(735X /11> 7 H 275:.2 (3 522(3;' /02?' 25/78 (5029 (3 /02(.' 32@ 739 073951?2 7H7./?23/5 7/ 1?2.52/ 1:52X

F A:7./2.)' 2Q(2@'Q1 'MQ('H' !VS' 'G Q1 'MQ(((' H' +.L'
/' :50=5 25(92342 7/ /02 1:./1% 3;739' H' !L,' %(.5/52.(25'
(' A:7./2.)' 2Q(2@'Q1 'MM(((' H' V,!
é ?(/0=5 (%2 1% 1 2>235' Q1 '((' H' L,V' +39 9(//(13
' 79)' 7.)' D ' 13/7;:=5 D1.>5' 29(/29 8)' 1.9 D07.34(2' Q1 '(((' H' ",'
22 7 51 /02 74/)(1/0247 ?(/0(737' I:7./1'X 23(42 !$#$

739 75/) (2 92Q1/29 ?73) 01:.5 (3 7//239(3;/02(.733:7 2M0(8(/(135 13 @0(40 14475(135 8) 0(5 7:9(8 2 2341?(:?5 13 (39(Q(9:7 ?2.(/ 02 5/(%:./02. 2341(:7;29 .(5(3; 37/(Q2 ;23(:5 F 55:.29) /023 @023 1:;0< (3 929(47/(3;/1 21.;2 /02 0(.9 0(5 781.(1:5 739 318 2 29(/(13 1% < (3Q1>29 0(?75 /02 N H7/.13 1% 2Q2.) :52%: 739 H 275(3;7./ 739 54(2342 0 /02 H.7(52 @75 31/ :39252.Q29) 825/1@29 %

/01:;0 21.;2 /02 0(.9 @75 31/ 7 H.1%1:39 31. H.1H2.) 5H27 93; 73 7441?H (5029 5401 7. 02 079 32Q2.J /02 255 5/1.29 :H (3 0(5 ?(39 7 7.;2 7?1:3/ 1% ?(542 J 7321:5 >31@ 29;2 @0(40 2378 29 0(?/1 413Q2.52 @(/0 %.22J 91?739 2Q23 9(5/?4/(13 31/ 13) @(/0 /02 27.329 739 /02 54(23/(%(4 8:/ @(/0 H2.5135 1% 2Q2.) 4 755 1% 0(5 5:8G24/5 @07/2Q2. ?(;0/ 82 /02(. H.1%255(135 1. H:.5:(/5 N 0W (3;0 @.(/25 (. 2.82./ 7) 1. N079 31/ 23G1)29 /02 79Q73/7;2 1% 7 ;119 29:47/(13 2 0(?52 % 79?(//29 /07/ (/ 079 8223 ?:40 32; 24/29 X 73S 02 .2;.2//29 (/ 25H24(7) 75 0(5 27.) 744255(13 /1 /02 /0.132 079 .2392.29 Q2.) 9(%%(4:/ /02 .241Q2.) 1% /02 R/(?2 15/ 1. ?(57HH029 (3 /02 H.2429(3;)27.5 :/ 02 9(9 7//2?H/ (/0 2(/02. 75 @2 07Q2 5223 @75 /02 7//2?H/ 7 %.:(/ 255 132 (. 2.82./ 7) 1. (3%1.?5 :5 /07/ /02 (3;079 .279 N ?:40 /07/ @75

F 33:7 2;(5/2.%1. !"+*' H $**
/ (401 5=5 (/2.7.) 32491/25 Q1 Q(' H +$"' 02 929(47/(13 (3 @0(40 /02 @1.95 (3 /02 /2M/ 144:..29 @75 @(/09.7@3 8) 1:;0 H.2Q(1:5) /1 H:8 (47/(13 H @ # H Y 739 /02 %1 1@(3;929(47/(13 5:85/(/:/29 <

1 02
-7/.13 1% ./5 739 4(23425
02 7/02. 1% 0(5 -21H 2
& ' (
D 01 075 213925423929 /1 2341:.7;2
1527.2025 (3/1 3/(I:(/)
0(5 D1.> /02 27. (25/ 232.7 441:3/
1% 0(5 (3;91?5 (5 0:?8) 929(47/29
8) 0(5 ?15/ 9:/(%: :8G24/

& '
+) ! "*# 02 @1.> (5 57(9 /1 07Q2 144:H(29 52Q23)27.5 (3 /.735
7/:(; 739 3(32 (3 H.(3/(3; !) H +$L

:52%: 0 739 /07/ 02 079 25H24(7)' 92Q1/29 0(?52 %/1' 5/:9)J (3;' /02 7@5 739 4135/(/:/(13 1% /02 ;.27/ 41:3/.)' @0(40 (2 079 8223 7HH1(3/29 /1' ;1Q2.3 F .1?' 1/02.' 51:.425 @2 27?' /07/ 02 @75 ?75/2.' 1% /02 7/(3 739 /7 (73 73;:7;25' 739 /07/ 02 413Q2.529 %:23/)' (3 .2340 739 2?k73' (5 29:47/(13' (/ (5 /.:2' 079 8223 32; 24/29' 8:/ 5/:9)' 755(5/29 8)' 7 ?2?1.)' 1% .2?7.>78 2 .2/23/(Q23255' 079 ?1.2 /073 .2H7(.29 /02 92%(4(234(25 1% /02 H75/

N 21.;2 /02 0(.9 0 @.(/25 (.' D7 /2.' 41//' N ?(;0/ 82 /2.?29 7 8(8 (1;.7H02.' .7/02.' /073 7 5/:923/X)2/ 02 .279 7 ;119 927' 7 51' 739 .7/02.' %1.' (?H.1Q2?23/ /073 7?:52J ?23/ 0 .1?' /02 ;.27/ 31Q2 (5/ @2 27?' /07/ /02 (3;' @75 7 41?H2/(/1.' @(/0 0(5 27.)'%.(239' /02 :>2 1% 1M8:.;0' %1.' /02 H:.40752 1% 401(42 811>5 % 3/2.25/29' 01@2Q2.' 75 02 @75 (3 /02 74I:(5(/(13 1% (/2.7.)' .73/(25' 31' 41 24/1.' 41: 9 H155(8)' 82 ?1.2 %7(.' 1.' ?1.2 (82.7' (3 0(5 927 (3;5' / @75 7' H7./ 1% 0(5 (35/.:4/(135 /1' 0(5 08.7.(73 32Q2.' /1' 8(9 7;7(35/ j' 5401 7.' j' H.1%2551.' 1.' 7 41 24/1.' 1% ?192.7/2 %1./:32' 02 ?7;3(%(423/ 08.7.)' @0(40 02 %1.7(29 7/ :4>(3;07?' 1:52 413/7(329 5(M/)R/0.22 /01:5739 Q1 :?25' 739 415/' (/ (5 57(9' 31/ 255 /073 `!L* ***' / @75 N?1.W 3:?2.1:5 739 4:.(1:5 0 57(9 .' {03513 N/073 02 501: 9 07Q2 5:HH1529 73)' H2.513 41: 9 07Q2 %1.?29 (3 /02 /(?2 2?H 1)29 8)' /02 (3;0 G /(5 31@ /02 H.1H2./)' 1% /02 '37/(13X %1.?(3;' @07/(5 47 29 /02 (3;=5B 1 24/(13' (3 /02 .(/(50 :52:? e

F 2?7.>5 13 73 ./(4 2 (3 /02 9(38:.;0 2Q(2@' H',

]' (52' -.152=D1.>5' Q1 ' (Q ' H ' L+V ' N 740 0 @.(/25 (.' D7 /2.' N @75 /02 07HH)' H1552551.' 1% 7 41H)' 1% 7M/13=5 11>' 1% .1)2 X 8:/ 02 (3;' 2M7?(329 0(5 1PQ3 @(/0 5:40 744:.74)' 75 2378 29 9((?' /1' H.1Q2 /1' 92?135/.7/(13 /07/' /01:;0 81/0 41H(25 @2.2 1% /02 57?2 29(/(13' /07/ (3 /02 1)7' (8.7.)' ?:5/ 07Q2 8223 ?1.2 27.)' /0.1@3 1%% /073 /02 :>2=5' 8247:52 7 27% (3 /02 %1.?2.' @75 @07/ (5 /2403(47)' 47 29 14>29' 73 2..1.' @0(40 079 8223 9(542.329 739 41..24/29 (3 /02 :>285 41H)' X 51 /07/0(5 7625/)'/.(:?H029 /07/0(5 1@3 41HP' 1% /02 %(.5/ 811>' @2 82 (2Q2 1% /02 3;(50 H.255' @75 7 51 /02 27.(25/ H.(3/29 0 ' #

f' 15@2 =5 (%2 1% 103513' H !"S' 9(/(13 !"S"' 8)' .1>2.

e :33(3;07?=5 739R 11>' 1% 13913' ./' .(/(50 :52:?' N (3;' 21.;2 ' 82;73 /1' 41 24/ 7 (8.7.)' (3 /02)27(!$#V' 2 7(9 /02 %1:397/(13 1% (/ 8)' /02 H:.40752 1% 7 (8.7.)' 1% 7 Q2.)' 2?(323/ 407.74/2.' 7/ 23(42' 82 13;(3;' /1' 135:

1.9 07342 1. 913 @023 5H27>(3; 1% /02 (/2.7.)
7//7(3?23/5 1% 21.;2 /02 0(.9 :529 /1 .2 7/2 /02 %1 1@J
(3; 732491/2 1.9 0(2% :5/(42 23)13 02 57(9 /01:;0
7 ;.27/ 7@)2. @75 0:/ 73 (39(%%2.23/ 5401 7. 739 41352J
I:23/)0(5 7/(3 I:1/7/(135 @2.2 31/ :3%.2I:23/)/02G25/B1%
/02 7. N D023 Q75 ?792 0(2% :5/(42 1%/02 1??13
- 275 0 413/(3:29 1.9 913 N 21.;2 /02 ((.9 13 ?)
>(55?;07395 57(9 /1 ?2<^ %)1:/7 > 7/(3 @023 13 /02
2340 2/(/82?1.2 4 755(47 /073 23)13=5 1: 079 82//2.
5H27> 3; (50 13) /073 23)13=5 7/(3 H13 ?) 47..)J
(3; /1 0(5 7G25/) :H13 51?2 :9;2=5 7HH1(3/?23/ /02
.(3; @9((40 H.2Q(1:5 /1 0(5 7HH1(3/?23/ 75 7 :9;2 :H13
82(3;B?792 2(G273/ 02 ;(Q25/02 07342 1./1 82/2392.29
/1 0(5 7G25/) /02 (3; :H13 .279(3;/02 (354.(H/(13 :H13
/02 .(3;<57(9^ :9;2 0/7 > 7/? 522 02 .2795
1.742=0F

1./02 3; (50 3(Q2.5(/(25 739 (39229 %1.F 7 /02
27.329 1./0191M 41 2;(7/2 514(2/(25 /02 (3; 2Q23 23/2.J
/7(329 /02 0(;025/ .2Q2.2342 / @75 /02.2%1.2 @(/(7
37/:.7 9(557/(5%74/(13 /07/ 02 27.329 /02 (3/23/(13 1% /02 U
%(.5/ 1.9 2Q(2 /023 23.) :3975 /1 7HH)B/1R 0(?/1
413%2. :H13 7 41//(50 ?29(47 H.74/(/(132. 1% @01?R/02B
(3; >32@ (// 2 1. 31/0(3; /02 0131:. 1% 7 87.132/4) EJ0 1

?(/0 81:/ /02)27.!$#$ /@1)27.5 7%/2. /02 5:HH.255(13 1% /02 25:(/5=01:525
82;73 02(. (8.7.(25 @2.2 /:.329 1:/ :H13 /02 @1. 9 739 /02 (3; 81:;0/ 51?2
1% /02 ;.27/25/ .7.(/(25 (3 (/2.7/.2 7/ /02 5?7 25/H.(42 7 41 24/1.41: 9 2MH24/ 0
C) + I ,C J ' + 44 ! "L#' K (2 (3;0
@.(/25/02 2Q 07. 25 19@)3 /1 7 %.(239 2H/ ++ !$#+ KO75RG:5/H:.4 (7529 7
(8.7.) @0(40 413/7(35 /02 ?15/Q7 :78 2H.(Q7/2 41 24/(13 1% 811>5 /1 81 %1:39 (3
/7) 02) 82 13;29 /1 135(9 ?(/ -@01 .25(929 7/ 23(42 02G. Q7 :2 4135(5/5
40(2%)(3 /0(5 /07/ /02.2 (5 7?13;/02?7 ;.27/3:?82.1% / (2?547.42 %(.5/RH.(3/29
29(/(135 1% /02 755(45 07Q2 5223 7 47/7 1;:2 1% / (2?@0(40 ?7025 7 Q1 :?2 (3
S/1 0 !) 0 ,&) C , Q1(Q(((H +L* 02
(3; 13 731/02.14475(13 (5 ?23/(?(29 75 07Q(3; 1%%2.29 V***t %1. 5>2@=5 5?7
\ :/.7.2 41 24/(13 1% 811>5 '5 # Q1((Q H V!L # / (5 3229 255 H2.07H5 /1
u (23/(13 /07/ 21.;2 /02 0(.9=5 (8.7.) @75 H.2523/29 8) 0(5 513 21.;2 /02
1:./0 /1 /02 37/(13 (5 7G25/)=5 2//2./1 /02 -.(?2 ((((5/2. /02 7. 1%
(Q2.H11 41?? :3(47/(3; 0(5 H.(342) (3/23/(135 @(81 %1:39 (3 /02 !
B Q1((Q H SS# E + $#
F @(55=5 (%2 1% 1.9 07342 1. 913 Q1((H S*+RL

' ' ' '

R132' @75' 82//2.' 7@7.2' 1%' /02' (3;=5' H.2G:9(425' 13' /02' 5:8G24/' /073' 1.9' 2 Q(2' 0(?52 %' 739' 7441=9(3;)' @023' /02' /(?2' 47?2' %1.' 0(?' /1' H.2%2.' 0(5' 7HH (47/(13' %1?7)' /1' /02' (3;' (3' 0(5' 4 152/' (/' @75' 31/' @(/01:/' 51?2' 9(%%(4: /)' /07/' 02' 41: 9' (39:42' ((.752 %/1' 5/7??2.' 1:/' 0(5' .2I:25/' N' D 07/†Ó' 57(9' /02' ;119R (:?1:.29' ?137.40' @01' @75' 7@7.2' 1%' /02' 47:52' 1%' 739' 23G1)29' 0(5' 2?87..755?23/' N'(5' /07/' 7 'ć ' 07Q2' 31' 18G24/(13' /1' ?7>2')1:.' %.(239' 7' 7.132/' D 07/' ' @75' 7%.7(9' 1%' @75' /07/')1:' 47?2' /1' 75>' ?2' /1' ?7>2' 7' 41/40' 7H1/0247.)' 7' H0)5(4(73')' F)1:' >31@' (5' ?1.2' 9(%%(J 4: / Ó' F' %/2.' /02' (3/2.Q(2@' 75' /02' (3;' H75529' %.1?' 0(5' 4 152/' /1' /02' 2Q22R407?82.' 02' 07HH2329' /1' 2341:3/2.' 1.9' 913' 739' 132' 1%' /02' .1)7' H0)5(4(735' /1' @01?' 02' /.(:?HOJ 73/)' .2 7/29' @07/' 079R/7>23' H 742' 82/@223' 1.9' 2 Q(2' 739' 0(?52 %' N' 1:' 7.2' 81/Ó' 1%')1: Ó' 02' 57(9' N'@2 R29:47/29' 74792?(47' ?23' 02)' ?7)' ?7>2' 7.132/5' 1%' 75' ?73)' 41/40' 7H1/0247.(25' 75' /02)' H 2752' 8:/' ' 507' 9(2'8)' /02' 1 2;2' ' >32@' @07/' :3975' 47?2' /1' 75>' 739' ' /01:;0/' ' @1:9' 82' 2Q23' @(/Ó' 0(?Ó' /' @75' 7' .2?7.>78 2' 1852.Q7J /(13' ?792'8)' 21.;2' /02' 0(.9' 7%/2.' /(?2ß' 739' 2MH2.(2342' 079' /7:;0/' 0(?' 7' /01.1:;0' >31@ 29;2' 1%' ?73>(39' /07/' 02' 079' 32Q2.' >31@3' 7' 41/40?73' 5H27>' ' 1%' 731/02.' :3 255' 02' 079' 7' ?1/(Q2' %1.' (/' 739' /07/' 02' 079' 32Q2.' >31@3 132' .(50J ?73' 5H27>' ' 1%' 731/02.' 2M42H/' %.1 3' 7' 5(?(7.' 52 %(50' (39:42?23/'GX' N' 3' 0(5'(3/2.41:.52' @(/Ó' ?23 Ó' 02' /1 9' 21.;2' 152' N(/' 079' 8223' 73' (3Q7.(78 2' .:2' @(/Ó' 033' 31/' /1' 5:HH152' /02?' 879' /(' 02' %1:39' /02?' 51 Ó' e

/01:;0' /02' (3;' @75' 31/' 7' H.1%25529' 5401 7.' 0(?52 %' 02' @75' 31/' 13)' %:)' 47H78 2ß' 1%' 7HH.24(7/(3;' ;23(:5' 8:/

F' (2' 7/2' 1.9' D 2 25 2)':529' /1' .2 7/2' /07/' /02' (3;'?792' /02' 57?2' .2H)' /1' 0(?' 13' 0(5' H.2%2..(3;' 7' .2I:25/' %1.' 7' 87.132/4)' %1.' (.' D 7 /2.' 7.I:07.' @01' @75' 51' 4.27/29' (3' !$,#' C 4' ' #

]' @(55=5' (%2' 1%' 1.9' 913' Q1 ' ((' H' LVS

(' 7.' /7301H2=5' (5/1.)' 1%' 3; 739' Q1 ' Q((' H' ++L' 1.9' /7301H2' @.(/(3;' (3' !"VS' ?23/(135' /07/' /0(5' 1852.Q7/(13' @75' ?792' 8)' /02' (3;' /1' 73' N 2?(323/' 5/7/25?73 Ó' /023' 7 (Q2' '5 #

é' 0152=5' (7.(25' 739' 1..25H1392342' Q1 ' ((' H' !$#

?73)' (35/73425' @(' 82' %1:39' (3' /0252' Q1 : ?25' 1%' 0(5' 413%2.J .(3;'%7Q1:.5' :H13'/02' 27.329'739'/02' 54(23/(%(4' . ' '10351:' < 02((973'/02' 2M(41;.7H02.'F' <'739' 1?2'/02' 7:/01.' 1% N' 1:; 75 0'/'@(/0'@01?' (3'0(5' 81)0119'02'079'8223'7551J 4(7/29'7f'/02'41:./' 1%' ((5'%7/02.' .292.(4>' -.(342' 1%' D 7 25<' @2.2'52Q2.7)'(3928/29'/1'0(?'%1.'H235(135'739'/02'7:/01.'1% N' 02' 7.9'0'739'1%'/02'N' 2;)'@.(//23'(3'7' 1:3/.)' 0:.40J)7.9 0'%1.'/02' 407(.' 1%' -.1%2551.'1%' 192.3' (5/1.)'(3' /02' 3(Q2.5(/)'1%' 7?8.(9;2' 3'/02'L.9'1%' :;:5/'!$#"' .7)' B(/25' /1' 0(5' %.(239' .R (401 5<N 3' D2932597)' 0(5' .742'/02' :>2' 1%' .7%/13'@.1/2' ?2'7'Q2.)'H1(/2' 2//2.'/1' 57)'/07f'0(5' 7G25/)'079' 41??73929' 0(?'/1' 1%%2.'?2'/02')7473f' -.1%2551.5((H' 3' 0:.597)'/02' (3;'5(;((29'/02' Q7..73/'739'R32Mf'97)'7f'0(5' 2Q22' '>(5529' 0(5'0739' 2' ' ?792'?2'52Q2.7';.74(1:5'5H224025'@0(40' '507 '31f'.2H27/' 8247:52'2Q2.)819)'/07f';125'/1'41:./'9125'51' 25(925'/02' 97)'@75'51'01/'739'/02'42.2?13)'51'2?87..755(3;'/1'?2' /07f' '07.9)'>32@'@07f'02'57(9 0'GX ;7(3'13'/02'!5f'1% :;:5/' .7)'@.(/25'/1' 7513<N 3' D2932597)'/02' :>2' 1%' .7%/13'@.1/2' ?2'7'Q2.)'073951?2' 2//2.'/1'57)'/07/'/02' (3;B' 1%%2.29'/02' Q7473f' H 742' /1' ?2'@(/0' ?73)' ?1.2' 5H224025'/11'0131:.78 2'%1.'?2'/1'/.7354.(82' 3' .(97)'7f' /02' 2Q22' '>(5529' 0(5' 7G25/)=5'0739' D07f'02'57(9' ' Q(' 31f'/2 ')1:' 8247:52'2Q2.)819)'/07f'075'8223'7f'41:./' /2 5' Q07f'/02' (3;' 57(9'/1'/02?' f'@75'Q2.)';.74(1:5'01@J 2Q2.0'e' .7/(%(29' 01@2Q2.' 75' .7)' 2 :923/)' @75' 7/

F' :;025=5' (5/' 1%' 3; 739' Q1 '('H' +"S' L.9' 9(/(13]' 1?2=5' D1.>5' (%2'8)' 74>236(2'Q1 '!'HH'V"'#, /' .7)=5' D1.>5' Q1 '(Q'H' !+V' 9(32' 9(/(13 e' .7)' 739' 7513' 1..25H1392342' 29(/29'8)'/02' 2Q' ' (/%1.9'H' S!"' 24139' 9(/(13' /'7HH27.5'/1'07Q2'8223'/02'1H(3(13'81/0'1%' 1.742' D7H12'739' 1%' 12'/02'73/(I:7.)'/07f'/02'H2.513'/1'@0152'.241??2397/(13' .7)'@75'.27)' (3928/29'%1.'/02'-.1%2551.50(H'1%' 192?' (5/1.)'7f' 7?8.(9;2'@75'0(5'%.(239' . ' /13202@2.'7f'/0(5'/(?2'H.(Q7/2'524.2/7.)'/1'/02' :>2'1%' .7%/13' 7 ,' '< ') 'H' S!"' # 02.2'522?5'/1'82'(// 2'91:8/' 01@2Q2.' /07f'/0(5' ;.742%:'/.(8:/2'/1';23(:5'2?737/29'%.1?'/02' (3;'0(?52%' 22'2M/.74f'1%'7'2//2.' %.1?'/02' (3;'/1' 1.9' 1./0'(3' 1.9' .1:;07?=5'+ 4 ' ' ' 4 ' ' 7 'L' Q1 '('H' $#'C '!"V"'X 739' 2//2.'%.1?' .7)'/1' 7.)'M 3/.18:5 1%'+,' :)' ' 7 , '.- * 'Q1 '(Q'H' !+!'& 'C #

' +

07Q(3;' 8223' 9(5/(3;:(5029' (3' 51' % 7//2((3;' 7' ?7332.' 8)' 0(5'
1Q2.2(;3'02'522?5'/1'07Q2'8223'31/'7' (//2F'9(541?%1./29'8)'
07Q(3;'/1' :392.;1'/02' 1.927'1%'82(3;'5I:22629K'739' 5/7.29'
7/'7/'7' 2Q22' N' (.' ;2./13' ()9;25'(3%1.?29'?2 0'@.(/25'
.' (/%1.9' N/07/'@023' .7)'@23/'/1' AI:./'/1' >(55=/02'
(3;=5'0739'%1.'0(5'H742'02'%2/'7' ?(M/(?2'1%'50)3255'739'
H.(92'@0(40'02'2MH.25529'/1' 51?2'1%'0(5'(3/(?7/2'%.(2395'(3'
/2.?5' 1%' 5/.13;' ('0:?1:.0F' /' ?7)'82' ?23/(1329' /07/'
@023'13)'/0.22' 1.'%1:.'@22>5'7%/2.@7.95'/02' -.1%2551.J
50(H' 1%' 192.3' (5/1.)'7/' M%1.9' 7 51' 8247?2'Q7473/'/02'
(3;' 7HH7.23/)'/11>' 75' ?:40' (3/2.25/'(3' /02'%(03;' :H' 1%'
/02'7HH1(3/.323/'@(/0'4.29(/'75'02'079'9132'(3'/02'4752'1%'/02'
5(5/2.' 3(Q2.5(/)' N' 02' (3;0'@.(/25'/02' :>2'1%' .7%/13'
/1' (501H' D7.8:./13' N'075' 5(;3(%(29' 0(5'(3/23/(13'/07/'/0(5'
1%%(42'501:9'32Q2.'73)'?1.2'82'02 9'75'7'5(324:.20'/'
31/02.'(/2.7.)'H2.513'@(/0'@01?'@2'%(39'/02' (3;';.7J
4(1:5)'413Q2.5(3;'13' 132' 1%'/0252' 1:./' 14475(135'@75'/02'
2Q2.239' 01?75' 1?2.Q(2'/02'0(5/1.(73'1%'/02' 2(;35'1%'
D((7?'/(2' 0(.9'739'A:223' 332' 02' 2Q22'82(3;'/02'
524139' 132'13)'@0(40'/02' (3;'079' 02 9'5(342' 79%(2 9=5'
%7?1:5'7//2?H/'13'0(5'(%2'(3' .:.)' 732' 027/.2'@75'
37/:.7)'7' 4.1@929' 132')2/'0(5' 7G25/)'%1:39'/(?2'/1'
799.255'7'%2@'%7//2.(3;'@1.95'/1'/02'70315/'1854:.2' 41//(50'
9(Q(32' Q01'@75'7.279)'(3928/29'/1'0(?'%1.'7'H235(13' 02'
9(.24/'I:25/(135'H:/'/1'%((?'8)'/02' (3;'@2.2'75' .' 1?2.J
Q(2' 0(?52%'(3%1.?5':5'(3' 0(5'7;.2278 2' 7:/18(1;.7H0)<'
N' D023' 9(9')1:'41?2'/1' /1@3c' 7Q2')1:'41?2'/1'H:8J
(50c' D07/'5:8G24/'7.2')1:'31@':H13cOT' 02'%74/'(5'
/07/'7/'/02' (3;=5'%.2I:23/'2Q225' 0(5'40(2%';.7/(%(47/(13'
522?5'/1'07Q2'4135(5/29'(3'7%%1.9(3;'H275:.2'/1'1/02.5'
N' (5'925(.2'/1'H2752'739'18(;2 0'G:5/)'1852.Q25'(.'D7/2.'
41//'N'@75'52413929'8)'7'?2?1.)'/2374(1:5'(3'7'?15/'%7/R

F' .7)'739' 7513' 1..25H1392342'H'S!"' #
]' (401 5=5' (/2.7.)' 32491/25'1%/02' (;0/223/0' 23/:.)'Q1'Q'H'#VV'
(' N)'1@3' (%2'739' (?25 0'()'/02' 2Q' ' 1?2.Q(2'HH'L*!'L*L

/2. ? ;' 92; .22 R' 1%' 7 /02' ? 15/' ? (3 : /2' H7. /(4 : 7.5' @0(40' 41 : 9' (3/2. 25/' /0152' @01' 079' 8223' 1342' (3/. 19 : 429' /1' 0(? Ó F'

5H24(7)' %7Q1 : . 78 2' /1' 21. ; 2' /02' 0(. 9' @75' /02' 413J /. 75/' 82/@223' 0(5' ? 7332. 5' ?' 0(5' 2Q22R407 ? 82. ' 739' /0152' 2MO(8(/29' 8)' 0(5' : 3%1. / : 37/2' R 8. 1/02. R ? 137. 40 ' 1 : (5' /02' (M/223/0 ' 13' 5(? (7. ' 4475(135 ' 441. 9(3 ;' /1' /02' 7441 ? J H (5029' (. ' 182. /' 2(/0' : . . 7) ' @01' @75' H. 2523/29' /1' 1 : (5' 7/' 13/7(328 27 : ' (3' 1Q2 ? 82. ' ! $$S < N (2' (3 ; R' . 242(Q25' /02' H. 2523/7/(135' @(/0' 255' 7//23/(13' /073' 132' @? : 9' 37/ : . 7)' 501@' /1' 7' 47/' 1. ' 7' 91 ; ' 8247 : 52' 02' 9125' 31/' 2Q23' 522 ? ' /1' 11>' 7/') 1 : ' ' 91 : 8/' (%' /02. 2' (5' 7' (3 ;' 1%' 8 ; 25' 1. ' 7' 073' 1%' 7. /7. 5' 51' . (9(4 : 1 : 5)' : 34(Q(' 1. ' : 5 ' @01' >31@' /02' ? H2. 1. ' 739' (3 ;' 1%' - . : 55(7 ' 739' @01' >31@' 1 : . ' 1@?' (3 ; ' @01' @1 : 9' 5H27 Ó 4(Q( )' /1' 2Q23' 7' . 2340' ' 01@' 5/. 73 ; 2' ? : 5/' /0(5' 7HH27. ' T O %

31/02. ' 2 ? (323/' ? 73 ' @01' @75' 922H)' (3928/2 ' /1' 21. ; 2' /02' 0(. 9 ' @75' /02' 42 28. 7/29' 75/. 131 ? 2. ' D ((7 ? ' 2. 5402 ' N' 02' ? ; Ó @. (/25' 797 ? 2' 9= . 8 7) ' N' 075' 31/' 7' 07HH(2. ' 5 : 8J G24/' /073' /0(5' ? 73 ' @01' 1@25' @01)' /1' 0(5' 0 7G25/)' /07/' 02' (5' 31/' @. 2/4029 X' %1. ' 5 : 40' (5' 0(5' 27 ; 2. 3255' /1' I : (/' 7 ' 1/02. ' H : . J 5 : (/5' /1' %1 1@' 75/. 131 ?)' 51 2) ' /07/' 02' @75' (3' 973 ; 2. ' 1%' . : (3 ' @023' 0(5' /7 23/5 ' 739' ; . 27/' 739' : 341 ? ? 13' ; 23(: 5 ' 7// . 74/29' /02' (3 ; =5' H7/. 137 ; 2 Ó 02' (3 ; ' (/' 7HH27. 5 ' 31/' 13)' 413%2. . 29' 7' H235(13' : H13' 2. 5402 ' 8 : /' . 2392. 29' 0(?' 41 ? H 2/2)' 07HH) ' 8)' 7 : /01. (5(3 ;' 0 : 3' /1' 4135/. : 4/' 7' 32@' /2 2541H2 ' 7441. 9(3 ;' /1' 0(5' 1@3' H. ? 4(H 25 B' 739' @(/01 : /' 73)' (? (/' 75' /1' 2MH2352 ' @0(40' /02' (3 ;' /11>' 23/(. 2)' : H13' 0(? J 52 %')' /0252' ? 2735' /02' 75/. 131 ? 2. ' @75' 2378 29' /1' H : . 5 : 2 ' : 392. ' /02' ? 15/' %7Q1 : . 78 2' 4(. 4 : ? 5/73425 ' ((5' 5 : 8 (? 2' 739' 97. (3 ;' 5/ : 9) ' 739' /1' H2. %24/' 0(5' @1392. %: ' . 2527. 4025' 739' 9(541Q2. (25' 7 ? 13 ;' /02' 027Q23)' 819(25 ' 1' 7 R7851. 8(3 ;' /1' 2. 5402 ' @75' 0(5' 144 : H7/(13 ' /07/' 7441. 9(3 ;' /1' 797 ? 2' 9= . 8 7) ' 02' 079' 31' N' @(50' /07/' 079' (/5' R18G24/' (3' /02' /2. . 25R

F' (. ' D ' 41//=5' - . 152' D 1. >5 ' Q1 ' (Q ' H ' L+S
/ ' 4 ? 1((R5' 1%' (. ' ' ' 2(/0 ' ' Q1 ' ((' H ' L*

/.(7 ; 182 0F 2/ :5 31/ 1?(/ /1 ?23/(13 75 799(/(137 2Q(92342 1%/02 (3/2.25/ /7>23 8) 21.;2 /02 0(.9 (3 (/2.7J /:.2 739 0/2.7.) ?23 /07/ (/ B Q75 8) 0(5 N 2MH.255 925(.2 0 /07/ 01?75 D7./13 Q75 7HH1(3/29 -12/ 7:.27/2 (3 !$"# % 739 %:./02. /07/ 51 ;.27/ 7 %7Q1:.(/2 Q(/0 0(?' Q75 /02 27.329 7418 .)73/ /07/ 02 %.2I:23/) 27.329 /02 A:223 Q(/0 0(?' /1 Q(5(/ /02 Q232.78 2 H0(151H02.' 7/ 0(5 0:?8 2 .2/.27/ 7/)H2307? N 02 (3;0 Q2 7.2 /1 9 N51?2J /(?25 47?2 7 132 739 5/7)29 01:.5 Q(/0 0(? 0\

02.2 Q2.2 (3 /02 75/ 423/:.) / 2?(323/ 0/2.7.) ?23 . 103513 739 . 27//(2 /02 7:/01.' 1% /02 N (35/.2 0 2740 1% @01?' 075 82I:27/029 :5 7 Q2()' (3/2.25/?;' 7441:3/ 1% H.(Q7/2 413Q2.57/(135 Q0(40 /02)' 52Q2.7)' 02 9 Q(/0 /02(.' 1Q2.2(;3' 02 H7./(4:7.5 1% /02 42 28.7/29 (3/2.Q(2 82/@223 u (3;' 739 . 103513 @0(40 /11>' H 742 7/ :4>(3;07?' 1:52 (3 28.:7.) !$#$ < /02 (3;=5 73M(2/)' /1 413Q2.52 (3 H.(Q7/2 Q(/0 /02 ;.27/ H0(151H02.' 739 2M(41;.7H02.< 0(5 79?(//(3;' 0(?52 % Q(/0 /07/ 18@24/ 8)' 7 H.(Q7/2 911.' (3/1 /02 .1)7 08.7.)' 739 5/27 ?;' :H13 103J 513 @01 @75 527/29 (3 7 922H .2Q2.(2 8)' /02 %(.2 < P/02(.' 13;' /7 >' 781:/ /02 .(Q7 08.7.(25 1% M%1.9 739 7?8.(9;2 X 781:/ /02 413/.1Q2.5)' 82/@223 D7.8:./13 739 1 Q/0 781:/ 1.9)//2 /13=5 (5/1.)' 1% 23.)' /02 24139 X 0' 103 ('X /02 0/2.7.)' 739 4.(/(47 2Q(2 Q5 1% /02 97) 739 /02 -0(151H0(47 .73574/(135 < 739 75/) /02 41?H 7423/ 739 407. 4/2.(5/(4 ?7332.' (3 @0(40P103513 5:852I:23/) .2 7/29 /02 92/7(5 1% /02 (3/2.Q(2@ /1 2)31 95 . 152H0 D7./13 739 1 9R 53%(%0 < 7.2 (34(923/5 @0(40 7.2 %7?((7./1 2Q2.)' 1Q2.' 1% /02 4 755(47 (/2.7/:.2 1%0(5 41:3/.) 02 H0(151H02.' 7HH27.5 /1 07Q2 8223 25H24(7)' %754(37/29 8)' /02 Q((?(3P 799.255 739 41:./)' ?7332.5 1% 0(5 1Q2.2(;3' 1 . 7.37.9 /02 .1)7 (8.7.(73 Q2 %(39 0(?' 2M4 7(?(3;< N (. /02)' ?7)

F 797?1 = .87)=5 (7.)'7:9 2//2.5 Q1 (((' HH' !+,' L*
=/ (401 5=5 (/2.7()' 32491/25 1% / (1 (;0/223/0 4:/?)' Q1 ' Q(X H' !"V'
(' ' Q1 ' (Q ' H' #*,' X Q1 ' Q(((' H' #L!

/7 (' 1% /02' (3;' 75' /02)' @(' 8:/' 02' (5' /02' %(325/' ;23/ 2?73'
' 07Q2' 2Q2.' 5223 0' 1' 2332/' 73;/13' 7 51' 103513' 5:8J
52I:23/)' .2?7.>29 < N' (.' 0(5' ?7332.5' 7.2' /0152' 1% 75' %(32'
7' ;23/ 2?73' 75' @2' ?7)' 5:HH152' /0152' 1% 1:(5' /02' 1:.R'
/22GGG/0' 1.' 07. 25' /02' 24139 0' (' 1' /02' ?(3; 29' ;.742' 739'
9(;3(/)' 1% /02' (3;=5' ?7332.5' 5(?(7.'/.(8:/2' 7HH27.5' /1' 07Q2'
8223' H7(9' 8)' 1.9' 07/07?' N (5' 7G25/) 0' 02' 57(9' /1' 0(5'
%.(2395' N(5' /02' ;.27/25/41:./(2.'(3' 0(5' 41:./0%

02' (3;=5' 318 2' 08.7.)' 7/' :4>(3;07?' 1:52' 7HH27.5'
/1' 07Q2' 8223' 1H23' 31/' 2M4 :5(Q2)' /1' .' 103513' 8:/' /1'
2Q2.)' .241;3(529' ?73' 1% (/2.7/:.2' 1% /02' 97)' Q23' /02'
14(3(73' -.(25/ 2)' @75' @(/0' 5(3;3 7.' (82.7 (/)' 31/' .2%:529'
79?(55(13' N' %' .' -.(25/ 2)' 0< @.(/25' /02' (3;' /1' 1.9'
1./0' (3' 28(37.)' !$$, < N 7HH (25' /1' ?)' (8.7.(73' 02' @(' '
07Q2' H2.?(55(13' /1' 522' /02' (8.7.)' 75' 1/02.' ?23' 1% 4(2342'
07Q2' 079' X 8:/' 47331/' /0(3 4' 0(5' 407.74/2.' 75' 7' H1 (/(4(73' 1.'
(Q(32' 9252.Q25' ?)' 7HH27.?;' 7/' 7' (3' (/ 0 X

02' 7441:3/' @0(40' /02' 7:/01.' 1% /02' N (35/.2 0' 075'
82I:27/029' /1' :5' 1% 0(5' (3/2.Q(2@' 739' 413Q2.57/(13' @(/0'
21.;2' /02' 0(.9'(5' 255';232.7)'>31@3'/01:;0' 547.42)'
255' (3/2.25/(3;' /073' /07/' 1% @0(40' .' 103513' 92 (;0/29' /1'
92/7(' /02' H7./(4: 7.5' /1' 0(5' %.(2395' 02' %1 1@(3;' (5' /02'
7441:3/' @0(40' /02' H12/' (352./5' (3' 0(5' (7.)' <

N :2597)' +S/0' :;:5/' s!$$LZ' < 2/' 1:/' %1.' .' 7G23R'
9(2=5' e' 7/' 2@' .223' 02' 914/1.'/1 9' ?2' /07/' 02' 079' 31/'
5223' /02' (3;')25/2.97)' 8:/' 079' 2%/' 7' 31/2' (3' @.(/(3;' /1'
(3/(?7/2' /07/' '@75' /1' 82' 7/' 0(5' 01:52' /1R97)' 739' /07/' 132'
1% /02' (3;=5' H7;25' 079' 41(3i' /1' 0(?' /0(5' ?1.3?;' /1' 7)'
/07/' 0(5' 7G25/)' @1: 9' 522' ?2' 7' (// 2' 7%/2.' /@2 Q2' /'
/@2 Q2' /02' 914/1.' 739' '@23/' /1' /02' (3;=5' 01:52' 7/' 2@'
D 2' 079' 8223' 8(9)' 7' %2@' .3(3:/25' (3' /02' 07 '@023' /02' (3;

F' 15@2 =5' (%2' 1% 103513' 29(/29' 8)' .1>2.' 9' !"S"' HH' !"S < #
U/' 074>2.7)=5' (%2' 1% 07/07?' Q1(' ((' H' S!
(' 1.9' (.1((;07?=5' /7/25?23' 1%/02' (?2' 1% 21.;2' L' Q1(' (' H' !+, a' 9' !"V"
e' 02' 2Q2.239' 23.)' D((7?' 7G239(2' 7%/2.@7.95' 5:44255(Q2)' (501H' 1%'
025/2.'739' 73;1.' 2' 9(29' (3' !"L*

739 A:223 47?2 (3 %(.1? 73 7(.(3;X 739 75 /02) H7552 /0.1:;0 /02 07 /02 (3;47 29 /1 ?2 8) 37?2 739 75>29 01@ 13;(/ @75 5(342 47?2 %.1? /1@3 735@2.29 0(? 781:/ 73 01:. ^ 507 522)1: = 57)5 02 ^(3 7 (//2 @0(2 = 02 914/1. 739 @7(/29 7 4135(92.78 2 /(?2 %1. /02 (3;@75 8:5)X 739 /023 @2 @2.2 47 29 (3/1 7 7.;2 .11? %(?(5029 75 7 (8.7.) @02.2 /02 (3;@75 @7 >(3; 781:/ 739 /02 A:223 5(//(3;(3 7 407(.

N D 2 @2.2 .242(Q29 (3 /02 ?15/ ;.74(1:5 ?7332. H155(8 2 8) 81/0 /02(. 7G25/(25 079 /02 0131:. 1% 7 413Q2.57/(13 @(/0 /02? 31819) 2 52 82(3; H.2523/ 8:/ . 7G239(2 %1. :H@7.95 1% 73 01:. 13 7 ;.27/ Q7.(2/) 1% /1H(45 (3 @0(40 81/0 /02 (3;739 A:223 G1(329 @(/0 7 92;.22 1% 4022.%: J 3255 7%%78(/) 739 2752 /07/ @75 /1 ?2 5:.H.(5(3; 739 5113 9(55(H7/29 /02 2?873B755.((23/ @0(40 %2 / 7/ /02 82;(33(3; 1% /02 413%2.2342

N 02) 81/0 41?H (?23/29 ?2 (3 /02 0(;025/ /2.?5 13 ?) ^ 557) = @0(40 /02) 57(9 @75 7 811>/02) 7 @7)5 >2H/ 8) /02?X 739 /02 (3;57(9 02 079 132 41H) 1% (/ 7/ 2@ 739 731/02. (3 /1@3 739 (??29(7/2) @}3/ 739 /11> (/ 91@3 %.1?7 502 % ^ 32Q2. 5/1 2 7 811>8:/ 1342 = 57(9 0(5 7G25/) ^739 /07/ @75)1:.5=< 5H27>(3;/1 ?2B ^ 5/1 2 (/ %.1? /02 A:223 /1 ;(Q2 (/ /1 1.9 2./%1.9 /1 .279 = 2 079 027.9 /07/ /02 57 2 1% :?2=5 557)5 079 %7(29 5(342 ?) 811> @75 H:8(5029 739 /1 9 0(?@07/ .K /.7073 079 /1 9 ?2 (3 .2;7.9 /1 /07/ ?7//2. 2 079 2Q23 027.9 1% ?) 82(3;7/ 9(38:.;0 75/ 5:??2. 739 01@ . :?2 @75 1%%23929 13 /02 541.2 1% ?) 811> F 2 75>29 ?73) I:25/(135 781:/ /02 524139 H7./ 1% /02 ^ 557) = 739 @023 (/ @1:9 82 .279) %1. /02 H.255 ;7Q2 0(? (3 7 501./ 5H2240 73 7441:3/ 1% /02 H 73 1% (/X 739R 57(9 ?) 027 /0

F 02 N 811>T= (3 I:25/(13 @75 . 27//(2=5 1342 %7?1:5 N 557) 13 .:/0 K @.(//23 (3 1HH15(/(13 /1 /02 7(R;:(323/5 1% :?2 739 /02 %750(1378 2 542H/(4(5?1% /02 97) 01:;0 (/ @75 /02 H.19:4/(13 1% 34(/((2.7 H.1%1:39 H0(151G9(4. 31. 1% 7 Q2.) 4 2Q2. 413/.1Q2.5(7 (5/ 5:40 @75 /02 %7?2 739 5.(44155 1% /02 N 557) = /07/ (Q2 29(/(135 1% (/ @2.2 9(5H1529 1% (3 %1:.) 27.5

@75' 51' H.247.(1:5' ' 41: 9' 31/' /2 ' Q02:' (/' ?(;0/' 82' .279)' 75' ' 079' ?73)' 011>5' /1' 4135(9/' 82%1.2' ' 41: 9' %(3(50' (/' 0:/' /07/' (%' ?)' 027 //' @2.2' ;119' ' /01::0/' ' ?(;0/' 8.(3;' (/' /1' 7' 4134 :5(13' (3' /@1' 1.' /0.22')27.5' 2' 75>29' 01@' 13;' ' 079' 8223' (3' 41?H15(3;' ?)' 557)X' H.7(529' /02' 47:/(13' @(/0' @0(40' (/' @75' @.(//23X 739' 57(9' /07/' 02' 9(9' 31/' Q1392.' /07/' (/' 079' 2?H 1)29' ?2' %(Q2' 1.' 5(M')27.5

N 2' 75>29' 781:/' ?)RH12?5' ' 57(9' /02.2' Q75' 13)' 132' H12?' 1%' ?)' 1@3' 13' @0(40' ' 52/' 73)' BP7:2' ?273(3;' /02' ^ (35/.2 ± 739' /07/' (/' @75' %(.5/' H:8 (5029' 781:/' /02' 57?2' /(?2' @(/0' /02' ^ 557) ±)' 1/02.'H12?5' '57(9' @2.2'(341..24/' 82(3;' 8:/' G:Q23(2' H(2425' 739' 1%' (// 2' 41352I:2342' 2Q23' (3' ?)' 1@3' 1H(3(13' D 2' 079' ?:40' 413Q2.57/(13' 13' ?1.7' 5:8G24/5' %.1?' @0(40' 81/0' /02(.' 7G25/(25' 2/' (/' 7HH27.' /07/' /02)' @2.2' @733' %.(2395' /1' 0.(5/(%4((/)' 739' 51' (// 2' (34 ?29' /1' (3%(92 (/)' /07/' /02)' 41: 9' 07(=9)' 82 (2Q2' /07/' 73)' /0(3>(3;' ?73' 41: 9' .27)' 82' 73' 7/02(5/' :3 255' 02' 41: 9' 8.(3;' 0(?J 52 %' /1' 8202Q2' /07/' 02' 079' ?792' 0?(52 %X 7' /01::0/' @0(40' H 27529' /02' (3;' 2M4229(3;)' 739' 02' .2H27/29' (/' 52Q2.7' /(?25' /1' /02' A:223' 2' 75>29' Q02/02.' 73)/0(3;' 079' 8223' @.(//23' 7;7(35/' ?2' ' 5H1>2' 1%' /02' 7/2' H7?H0 2/' 1%' @0(40' ' ;7Q2' 73' 7441:3/X /2 (3;' 0(?' /07/' ' 32Q2.' 079' ?2/' @(/0' 73)' ?73' /07/' 079' .279' (/' 2M42H/' 132' A:7 42.' 0(5' 8.1::0/' 13' 51?2' 9(541:.52' 781:/' /02' A:7>2.5' @0152' ?192.7/(13' 739' ?(9' 8207Q(1:.' /02' (3;' 739' A:223' 41??23929' ' @75' 75>29' ?73)' I:25/(135' 781:/' /02' 41/5P' 3(Q2.5(/(25' /02' .2Q23:25' 1%' /02' 41/5' 2.;)' /(2(.' ?192' 1%' H.7)?;' 739' H.2740(3;' /02' ?29(47' 41 2;2' 1%' 9(38:.;0' .' .2;1.)' 739' .' :23' /02' 23;/0' 1%' 1:.' Q747/(13' 7/' 82.9223' 739' /02' 4 1523255' 1%' 1:.' 7//2397342' 9:.(3;' /02' @(3/2.X /02' 3:?82.' 1%' 5/:923/5' /07/' 7//239' ?)' 24/:.25X ?)' ?192' 1%' 24/:.(3;' @02/02.' %.1%0' 31/25' 1.' 41?H 2/2)' Q.(//23' 24/:.25X 781:/' .' :?2' 739' .' 182./513' 739' 1.9' (331:' 739' /02' .408(501H' 1%' 1.>' (5' 7G25/)' 75>29' Q07/' ' /01::0/' 1%' ?)' 32@' 74I:7(3/7342' 1.9' 7./?1:/0c' ' 57(9' /02.2

(

@75 51?2/ ((3; (3 0(5 7:B 739 ?7332. @0(40 /01:;0/ 31/ 13) 7;.2278 2 8:/ 234073/(3; 739 (07/ 02 522?29 /1 ?2 /1 82 132 1% /02 825/ 1% ?23X 7 523/(?23/ (3 @0(40 81/0 /02(. 7G25/(25 027./( ) G1?29 ^ 02) 57) /07/ 1.9 7./J ?1:/0 (5 73 23/0:5(75/ = 57(9 /02 (3; ^8:/ 5:.2) 02 57)5 31/0(3; 13 /02 5:8G24/ 1% .2 ;(13 8:/ @07/ 2Q2.) 0.(5/(73 ?7) 739 1:;0/ /1 57) =

N 2 75>29 @02/02. 9(9 31/ /0(3> /02 3; (50 73;:7;2 13 /02 924 (32 7/ H.2523/c 735@2.29 (3 /02 7%%(.?7/(Q2 739 /02 (3;7;.229 739 37?29 /02 ^ H24/7/1.= 75 132 1% /02 825/ 5/7397.95 1%/02 73;:7;2 D 023 /1 9 0(?/07/ /02 41/5 4 2.;) 51?2/(?25 H.7)29 7 I:7./2. 1. 2Q23 07 % 73 01:. 7/ 7 /(?2 02 75>29 @02/02./ /07/ 9(9 31/ 279 /02?(3/1 .2H2/(J /(135c 57(9 (/ 1%/23 9(9 ^ 07/ = 57(9 02 ^ 91 31/ (>2 (3 H.7)2.5 739 2M42 23/ 75 1:. (/:.;) (5 /0(3> (/ 51?2J @07/ %7: /) (3 /07/ .25H24/ = ^ 1:. 7G25/) >31@5 = 57(9 ^/07/ /0.22 52.Q(425 7.2 G1(329 (3 132 (3 /02 1.9(37.) 40:.40 52.Q(42 @0(40 (5 132 47:52 1% /0252 .2H2/(/(135 = ^ .:2 = 02 .2H (29 ^739 /07/ 4(.4:?5/7342 7 51 ?7>25 /02 52.Q(42 /11 13; = .1?/0(5 02 /11> 14475(13 /1 5H27> 1% /02 41?H15(J /(13 1% /02 0:.40 (/:.;) 13 @0(40 02 Q2.) G:5/) 825/1@29 /02 0(;025/ 41??2397/(13 ^ 852.Q2 = 0(5 7G25/) 57(9 ^01@ % 7/ /0152 14475(137 H.7)2.5 7.2 /07/ 7.2 31@ 41?J H1529 (3 41?H7.(513 @(/0 /02 1 9 1325 =

N D 023 ?23/(1329 /02 5?7 3255 1% /02 40:.40 (Q(3;5 (3 41/ 739 02 57(9< ^ 2 @1392.29 01@ ?23 1% (82.7 29:47/(13 @1: 9 401152 /1 8241?2 4 2.;)?23 /02.2 = 739 75>29 @02/02. (3 /02 .2?1/2 H7./5 1% /02 41:3/.) /02 4 2.;) (3 ;232.7 @2.2 31/ Q2.) (;31.73/ c= 735@2.29 ^ 1X %1. /07/ 29:47/(13 @75 Q2.) 4027H (3 41/ 739 739 /07/ 02 4 2.;) (3 ;232.7 @2.2 ?23 1% ;119 52352 739 41?H2/23/ 27.3(3; = 2 75>29 @02/02. @2 079 73) ;119 H.27402.5 7/ 82.9223 c 57(9) 25X 739 37?29 7?H82 739 2.7.9 @(/0 @0152 37?25 01@2Q2. 9(9 31/ %(39 /07/ 02 @75 74I:7(3/29 . 7G239(2 ?23/(1329 . 5@7 9=5 ^ HH27 = @(/0 41?(323R

97/(1: H.7(529 (f /11 739 /02 A:223 /11> 91@3 /02 37?2 @(/0 7 Q(2@ /1 5239 %1. (/ @75 75>29 @02/02. >32@ . 5@7 9 ¢ 735@2.29 9(9 31/- 739 57(9 R/07f ?) 811> @75 H:8 (5029 82%1.2 .279 0(5 /07f . 5@7 9 @75 @2 ?1@3 /1 1.9 (?(1: @01 079 1%/23 H.1H1529 /1 ?7>2 :5 74I:7(3/29

N KD2 9(54:5529 7 ;.27f ?73) 1/02./1H(45 %1. /02 413J Q2.57/(13 75/29 :H@7.95 1% 73 01:./@(/01:f 73) (3/2.J ?(55(13 02 A:223 81.2 7 7.;2 507.2 (3 (/ 1/0 /02 (3; 739 02. 7G25/) 501@29 7 ;.27f 927 1% ;119 52352 74:/23255 739 >31@ 29;2 75 @2 75 1% ;119R37/:.2 739 7%%78((/) f 75f /02 (3; /11> 1:f 0(5 @7/40 %1. (f @75 31@ 7 ?15f /0.22 1=4 14> 0(5 01:./ 1% 9(332.Y @0(40 . 7G239(2 739 /11> 75 7 5(;37 /1 @(/0J 9.7@ D2 7441.9:(;) 81@29 /1 /023 7G25/(25 739 799.25529 /02 (3; (3 /0252 @1.95 < ^ 01H2 (.)1:./ 7G25/) @(H7.913 ?2 (% /7>2 /0(5 1HH1./:3(/) /1 .2/:.3)1: ?) 0:?8 2 739 ?15f ;.7/2%: 74>31@ 29;?23/5 %1. /02 0131:./)1: 07Q2 8223 H 27529 /1 413%2. :H13 ?2 - 2 (?J ?29(7/2) 735@2.29 < ^ /0(3> 41:9 91 31 255 %1. 7 ?73 @01 075 9132 51 ?:40 52.Q(42 %1./02 ;119 1% 0.(5/(73(/) 507 7 @7)5 82 ; 79 1% 73 1HH1./:3(/) /1 501@ /02 ;119 1H(3(13 ! 07Q2 1%)1: =

N 02 A:223 0 4134 :925 . 27//(2 N57f 7 /02 @0(2 739 /02 (3; 5/119 51?2/(?25 @7 >(3; 781:f 7 (// 2 (2. 7G25/) 5H27>5 /02 3; (50 73;:7;2 @(/0 5:.H.(5(3;R 2 2;7342 739 (// 2 1. 31/0(3; 1% 7 %1.2(;3 74423/ 51 /07/ (% 502 @2.2 13) 1% /02 .73> 1% 7 H.(Q7/2 ;23/ 2J @1?73 132 41:9 31f 02 H /7>(3; 31/(42 1% 02. 75 132 1% /02 ?15f 7;.2278 2 @1?23 (3 /02 @1.9 2. %742 (5 ?:40 ?1.2 H 275(3; /073 73) 1% 02. H(4/:.25 739 (3 /02 2MH.255(13 1% 02. 2)25 739 (3 02. 5?(2 /02.2 (5 51?2/0(3; H24: (7.) 23;7;(3; 0 F

02 (3;=5 >(393255 /1 /02 7:/01. 1% /02 N (35/.2 0

$~

7?1:3/29 /1 ?1.2 /073 @1.95 0(5 7G25/) 07Q(3; %1:.97)5 H.2Q(1:5) /1 /02(. (3/2.Q(2@ 7 2@ 413%2..29 :H13 0(?7 H235(13 1% /@1 0:39.29 7)27. 31/02. 41//(50 (Q(32 739 2?(323 (/2.7.) ?73 @01 781:/ /0(5 H2.(19 .242(Q29 5:85/73/(7 %7Q1:.5 7 /02 07395 1% 0(5 1Q2.2(;3 @75 /02 42 28.7/29 (Q(32 . :;0 7(. D023 13 /02 $/0 1% H.(!$#+ /02 (3;< N @(/0 /07 @(52 7//23/(13 /1 /02 (3/2.25/5 1% .2 (;(13 739 (/2.7/:.2 @0(40 9(5/(3;:(5025 0(5 .2(;3 0< N ?:3(%(423/) 2.24/29 739 2391@29 0 7 -.1%2551.J 50(H 1% 02/1.(4 739 2 25 2//.25 (3 /02 3(Q2.5(/) 1% 9(38:.;0 (/ @75 . 70R @01?02 52 24/29 /1 82 /02 2;(:5 -.1%2551.F 1.21Q2. 2(;0/223)27.5 7%/2.@7.95 @2 %(39 /02 A:223 N 13 7441:3/ 1% /02 H 275:.2 @0(40 502 079 92.(Q29 %.1?.279(3; 0(5 52.?135 0 18/7(3(3; %1. 0(? 7 H235(13 1% /@1 0:39(R29 7)27. \

. D 7/513 (501H 1%R 7397%% 7 /01:;0 7 9(57HH1(3/29 D 0(; 739 %1. /0(5 739 1/02. .275135 31/ Q2.) (>2) /1 82 H.2G:9(429 (3 /02 (3;=5 %7Q1:. 075 32Q2./02 255 9132 G:5/(42 /1 @07/ 02 5/) 25 /02 N I:(4>3255 739 (3/2 (;2342 0 1% 0(5 .1)7 ?75/2. 5 73 (35/7342 02 .2 7/25 /02 %1 1@(3; 732491/2 02 (3; 07HH2329 /1 82 132 97) 413Q2.5(3; 7/ /02 2Q22 @(/0 /02 :>2 1% (40?139 /023 75/2. 232.7 1% /02 .937342 @023 /02 413Q2.57/(13 /:.3(3; 13 7 32@ 739 8232%(4(7 H.14255 K(3 /02 ?73:%74/:.2 1% ;:3H1@92. /02 :>2 /01:;0/ (/ .(;0/ /1 (3/(?7/2 /1 0(5 7G25/) /07/ 0(5 .(;0/ .2Q2.239 %.(239 @01 @75 5/739(3; 7/ /02 /(?2 (3 /02 .1)7 4(.4 2 @75 /02 7:/01. 1% /02 (?H.1Q2?23/ 02 (501H 51?2@07/ 7875029 5/7??2.29 1:/ 7 %2@ .2?7.>5 13 /02 547397 @0(40 ?(;0/ 7//740 /1 7 0.(5/(73 (501H %1. (35/.:4/(3; ?73>(39 (3 /02 7./ 1% 925/.1)(3; 132 B 731/02. N 1 31/ 2/ /07/ 9(5/.255)1:0 57(9 /02 (3;

F N 01./ 441:3/ 1% /02 (%2 1% . :;0 7(. 8) 7?25 (3 7)513 0 7HH23929 /1 7(.=5 23:1((5 Q1 Q H S#+X 07 ?2.55 23 (1; (2/ ./ 7(.
]02 H235(13 @75 413%2..29 13 . 7(. 13 /02 +V/0 1% 3)!$"* (3 7)513=5 OF(B/ 441:3/0 n4 4 H S#S

N %1. /02 I :(4>2. /02 413% (4/ /02 255 B/02 5 7 : ;0/2. 0 < N ? 23/(13 /0(5 0 7995 /02 (501H N /1 91 G :5/(42 /1 /02 (3; @0152 :392.5/739(3;(/ @75 /02 %750(13 /1 924.) 0 F

02 (501H 075 .241.929 731/02. .7/02. .2?7.>78 2 413J Q2.57/(13 @0(40 02 02 9 @(/0 0(5 1Q2.2(;3 7/ /02 2Q22 (3 /02 ?13/0 1% 1Q2?82. ! $"$ N @75 5/739(3; 0 02 57)5 N 32M/ /1 7 232/(73 318 2?73 02 (3;@75 413J Q2.5(3; @(/0 0(?781:/ /02 2H:8 (4 1% 23(42 739 075/( ) /:.3(3;/1 ?2 57(9 < ^ 02.2 31@ X)1: 027. @07/ 02 57)5 781:/ 7 2H:8 (4)735@2. @75 < ^ (. 11> :H13 7 2H:8 (4 75 132 1% /02 @1.5/ %1.?5 1% 1Q2.3J ?23/ 02 (3;;7Q2 ?2 75 02 /01:;0/ 731/02. 8 H@ 781:/ 7 2H:8 (4 735@2.29 /07/ 41:9 31/ (Q2 :392. 7 2H:8 (4 (5 7G25/) 5/(H:.5:29 /02 5:8G24/ /01:;0/ ?)52 % (35: /29 739 %(.?) 57(9 < ^ (. 11> :H13 /02 /)(B733) 1% 73) 132 ?73 /1 82 73 (3/1 2.78 2 2Q(739 :H13 /02 /).733) 1% 7 0:39.29 /1 82 7 0:39.29 /(?25 75 879 02 (3;@23/ 1%% (5 7G25/) 91:8/ 31/ 079 ;(Q23 4.29(/ /1 /02 47 :?3(25 @0(40 /02 41:./R(3524/5 079 8:6629 (3/1 0(5 27.5 1% ?)82(3;7 %7Q1:.2. 1% .2H:8J (473 H.(34(H 25 8247:52 @75 >31@3 /1 82 7 5:HH1./2. 1% 2Q1 :/(13 H.(34(H 25 739 079 7 H 275:.2 (3/2 (3;?2 @07/ 02 /01:;0/ 1% ?2 0 GK

02 (501H (Q29 /1 27.3 /02 ;.7/(/:92 1% 0(5 1Q2.2(;3 (Q2)27.5 7%/2.@7.95 @023 /02 914/.(325 8.174029 8) /02 .2340 .2Q1 :/(13(5/5 @2.2 31/ 13) 5H.279(3; .7H(9) 1Q2. :.1H2 8:/ @023 /02 41??13 H21H 2 (3 2QW.) Q(7;2 (3 3; 739 @2.2 /7 >(3; @(9) 781:/ (82./) 739 2I:7 (/) /02 (501H H:8 (5029 7 52.?13 @0(40 079 7 4135(92.78 2 507.2 (3 7 7)(3;/02 %2.?23/ P (;0) ;.7/(%(29 7/ /02 413R

F (501H D 7/513=5 32491/25 1% 0(5 @3 (%2 Q1 (H +S+ / '5 # Q1 (H L!S

(N 02 D (591?739 1193255 1% 19 (3 07Q(3; ?792 81/0 (40 739 -11. 0 02 (501H 7/ 7 7/2. H2.(19 .2(/2.7/29 0(5 %27. 739 9(5 (>2 1% .2340 2H:8 (473 H.(34(H 25 (3 7 H:8 (47/(13 23/(/ 29 < ^^ 02 :85/7342 1% 7 H2240 (3/23929 /1R07Q2 8223 5H1>23 (3 /02 1:52 1% 1.95 1Q2?82. ++ !"*L 0

9:4/ 1% /02 D 0(;' H.2 7/2' /02 73;' 31/ 13)' 5H1>2 1% /02 52.?13 /1' /02 .408(501H 1% 73/2.8:.)' (3 /2.?5 1% 0(;0 H.7(52' 8:/ @023 /02 (501H 32M/ ?792 0(5F 7HH27.7342 7/ /02 2Q22' /02 (3;' H2.5137)' 2MH.25529 /1' 0(?' /02 5/.13;' 739 ;.7/2%:' 52352 @((40 02 23/2./7(329 1% /02 52.Q(42 @0(40 02 079 .2392.29 /1' ?137.40)' 75 @2 ' 75 /1' /02 41?J ?:3(/)' 7/ 7.;2' N (. 0 57(9 /02 (501H' N ' 1Q2 /1' 41?2 %1.@7.9 (3 7 ?1?23/ 1% 973;2. 19 ' ' 522)1:' 91 0 .2H (29 /02 (3;' N 739 (/ (5 7 ?7./ 1% 7 ?73 1% 0(;0 5H(./ 0 / @75 13 /02 14475(13 1% (501H D 7/513 H:8 (50(3;' 0(5 N H1 1;)' %1.' 0.(5/(73(/) 0 /07/ 21.;2 /02 0(.9 ?792 0(e @2 R>31@3 .2?7.>' /07/ N 02 32Q2.' 82%1.2 @75 7@7.2 /07/ (.(5/(73(/)' 5/119 (3 3229 1% 73)' 7H1 1;) 0

02 %1 1@(3;' 8.(2% 7441:3/ 1% 7 2Q22R5423 7/ /' 7?25=5' %.1?' /02 H23 1% 731/02.' 0/2.7.)' -.2 7/2' /02 42 2J 8.7/29 (501H D7.8:./13' 7 /01:;0 (/ 82 1% 255 Q7 :2 75 827((3;' :H13 /02 5/1.)' 1% 21.;2 /02 0(.9' /073 75 82(3;' 407.74/2.(5/(4 1% /02 (501H 0(?52 %' (5 32Q2./02 255 @1./0)' 1% 31/(42' N '8.1:;0/ 75 :5:7 0 @.(/25 /02 (501H 13 /02 +*/0 1% 28.:7.)' !$#$' N 7 879 41 9 @(/0 ?2 /1' /1@3' 739' /0(5 82(3;' /02 %(.5/ 97)' 'Q23/:.29 1:/ 1% 911.5' (/ @75 2?H 1)29' 75 (3 9:/)' 81:39' 7/ 1:./' (/ 82(3;' 7 2Q22R97)' ' " :' #' '+ <)1:' ?7)' ;:255 @01?' ' ?273< @75 Q2.)' 8:5)' ?7.507 (3;' /02 4(.4 2' 739 02 57(9 /1' ?2 @(/01:/ 42.2J ?13)< ^ 1Q2 %1.@7.9)1:' 4 1;' :H /`2 911.@7)= ' .2H (29 @(/0 75 0// 2< ^ (9 31819)' 4 1;' :H /02 (3;=5 911.J @7)' ?1.2 /073 ' 07Q2' ' " ' ' ' ' ' ' ' ;' 0(5 8.1:;0/ /02 ?73 /1' 0(?52 %' D023 /02 0(;' 47?2 :H /1' 302 02 75>29< ^ D 0)' ' 9(9 31/ 41?2 /1' /1@3 82%1.2 c= ' 57(9< ^ ' :392.5/119 /02.2 @75 31' 8:5(3255 ;1(3;' %1.@7.9 (3 /02 1:52 (3 @0(40 ' 41:9 82 1% 52.Q(42 /1' 0(5

U' (501H D7/513=5 32491/25 1% 0(5 @3 (%2' Q1(' (' HH' SL"' SL,' N (5' 7G25/)=5 .242H/(13 1% ?2 7/ 0(5 2Q22' /1' @0(40' ' @23/ 1342' 1.' 7/ /02 ?15/ /@(42' 7)27.0 @.(/25 /02 D(3;' H.2 7/2' N @75 7 @7)5 51' 41?H (?23/7.)' /07/' " ' ' ') ' ') ') ,' ' 47331/ 8.(3;' ?)52 %' /1' 82 (2Q2 /07/ 02 @75 9-232?) 0 4 #' H' S",

Majesty.' He replied—'He supposed the severe storm of snow would have brought me up.' I replied—'I was under cover of a very warm house.' You see by all this how unfit I am for Courts." *

The circumstance is rather a notable one, that, of the persons who had the most reason to dislike or to be disliked by George the Third, two at least should have borne pleasing testimony, the one to his intelligence, and the other to his virtues. "Wilkes," writes Butler the "Reminiscent," "thought highly of the talents and firmness of the late King, and was persuaded that a Ministry protected by him could not, without some singular blunder, or some event singularly unlucky, be shaken by any Opposition." †—"I believe," writes Benjamin Franklin, "that had the King had a bad character, and Wilkes a good one, the latter might have turned the former out of his kingdom." ‡ Again Franklin writes during the London riots in May, 1768—"What the event will be, God only knows. But some punishment seems preparing for a People who are ungratefully abusing the best Constitution and the best King any nation was ever blessed with." §

* Nichols's Literary Anecdotes of the Eighteenth Century, vol. v. p. 645.
† Butler's Reminiscences, p. 74.
‡ Franklin's Life and Writings, vol. ii. p. 158.
§ Grahame's Hist. of the United States, vol. iv. p. 453.

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7(:.2 1% 1.9 1./0=5 H.1H157 5 %1.' 4134((7/(3;' /02 1./0 ?2.(473 1 13(5/5 <' .73> (3=5 .2/:.3 /1' ?2.(47 < :.>2=5 134((7/1.)' 251 :/(135 .2624/29 (3 /02 1:52 1% 1?? 135 8)' 7 7.;2 ?761.(/) < 3%7/:7/(13 1% /02 .(/(50 (3(5/2.3 <' ;(/7/(13 (3 /02 1 13(25 < 1 (5(13 7/ 2M(3;/136 755740:52//5 < N 7// 2 1% 1341.90 < (575/.1:5 .2/.27/ 1% /02 .(/(50 /1' 15/13

' /02 ?273 /(?2' 7%%7(.5 (3 ?2.(47 079 8223 2M4(/(3;' /02 922H25/ (3/2.25/' 75 @2 ' (3 .27/ .(/7(3 75 7?13;5/ /02 1 13(5/5 /02?52 Q25' D 0(2 /02 1HH.255(Q2 4/ %1.'.25/.7(3J (3;' /02 /.792 1% 2@' 3; 739 @75 5/(' H755(3;' / :B1:;0 (/5 Q7.(1:5 5/7;25 (3 /02 .(/(50 -7.07?23/' 1.9 1./0' /1' /02 75/13(50?23/ 1% /02 1:52 1% 1??135 ' 739 2Q23 1% 51?2 1% 0(5 1@3 41 27;:25' (3/(?7/29 /07/ 02 079 7 4134((7/1.)' H 73 1% 0(5 R 1@3 /1' 5:8?(/ /1' /02 1:52' 02 .(/(50 2;(5 7/:.2' 02X H.2?(529' @1: 9 32Q2.')(2 9)H /02 H.(34(H 2 /07/ (/ 079 /02 .(;0/ /1' /7M ?2.(47' 2/ /02 1 13(7' 552?8025' 01@2Q2.' 413523/ 739 H.1?(52 /1' ?7>2 H.1H2.' H.1Q(5(13 /1@7.95 /02 41??13 92%234 1% /02 ?H(.2' %1.' /02 ?7(3/237342 1% 4(Q(' ;1Q2.3?23/ (3 ?2.(47 739 /02 79?(J 3(5/.7/(13 1% G:5/(42' 739 .27/ .(/7(3' 13 02.' H7./' @1: 9 ;:7.73/22 /1' (?H152 31' ?1.2 /7M25 13 ?2.(47' :3 255 %1.' /02 .2;: 7/(13 1% 41??2.42' :40 @75 /02 5H(.(/ 1% /02 4134((7/1.)' 5402?2' @0(40' (3 /02 %1.?' 1% 7 .251 :/(13' 1.9 1./0 5:8?(//29 /1' /02 1:52 1% 1??135' D 02/02.' 02 57(9' 73)' 1% /02 1 13(25 @1: 9 .2/:.3 /1' /02(.' 7 2;(7342 13 / (252 /2.?5' 02 @75 :378 2 /1' 57)' / @75' 01@2Q2.' 81/0

@(52' 739' (((?732' /1' ;(Q2' /02?' /02' 1H/(13' 739' N'(%' /02)' .2G24/29' /02? 0'02' 79929' N/02(.' 8 119' ? :5/' 82' 13' /02(.' 1@3' 0279 0

79' / ((5' .251 :/(13' 8223' H.1H1529' 7/' 73' 27. (2.' H2.(19' 1%' /02' 9(5H:/25' 82/@223' /02' /@1' 41:3/.(25' (/' ?(;0/' 31/' :3H15R' 5(8)' 07Q2'H.19:429' 7' 027 (3;' 2%%24/' 392.' H.2523/' 4(.4:?J 5/73425' 01@2Q2.' (/' @75' (// 2' 82//2.' /073' 7' ?14>2()' N' /' (5' 7' ?2.2' Q2.8(7;2' 0' @.(/25' 1.9' 07/07?'/1' 1.9' 7013 N' 7' ?15/' H:2.(2' ?14>2.)'/07/' @(' 82' 5H:?29'(3' ?2.(47' 75' @2' 75' 7:;029' 7/' 02.2' 8)'/02' %.(2395' 1%' ?2.(47' 739' 8)' /02' :3.2 23/(3;' 232?(25' 1%'/07/' 318 2' 41:3/.) 0'F' 1.'(35/7342' (/' 5/(' .2(' ?29' 13'/02' /7/:/2' 11>'/02' 1%%235(Q2' 7552./(13' 1%' .(;0/' 13'/02' H7./' 1%' /02' H7.23/R41:3/.)'/1' /7M' 02.' 1 13(25' /' 2%/' /1' /02' 924(5(13' 31/' 1%' /02' 552?8 (25' 1%' /02' 9(%%2.23/' -.1Q(3425' 8:/' 1%' /02' .1@3' /02' 7?1:3/' 1%' %:395' @0(40' /02)' @2.2' /1' 82' .2I:(.29' /1' 413/.(8:/2' /1@7.95' /02' 92%2342' 1%' /02' ?H(.2' 739' 75/)' 73)' %7Q1:.78 2' (?H.255(13' @0(40' (/' ?(;0/' 1/02.@(52' 07Q2' H.19:429' 13' /02' ?(395' 1%' /02' ?2.(473' H21H 2' @75' 42./7(3' /1' 82' 3: (%(29' 8)' /02' .2423/B 19(1:5' ('%1.' .:(3(3;'/02(.' 41?? 2.42' 739' /.792' @0(40'/02' 57?2' H74>2/' @1: 9' H.1878)' 47..)' 74.155' /02' /73/(4' /' @75' (>2' 7' ?73' 57(9' .73> (3' @(/0' 73' 1(Q2 8.7340' (3' 132' 0739' 739' 7' 5@1.9' (3' /02' 1/02.' 07/' 1.9' 1./0=5' H.1H15(J /(13' @1: 9' 07Q2' 8223' ?1.2' 7?H 2' 739' (82.7' 8:/' %1.' /02' 1HH15(/(13' @0(40' 02' 73/(4(H7/29' %.1?' /02' 29%1.9' 524/(13' 1%' 0(5' H7./)' /02.2' 522?5' ;989' .27513' /1' 82 (2Q2' 39229' 75' (/' @75' /02' %74/' 1%' /07/' H7./)'Q1/(3;' @(/0' /02' %.(2395' 1%' 0(;0' H.2.1;7/(Q2' 079' /0.27/2329' /1' H 742'/02' (3(5/2.'(3' 7' ?(31.(/)' N 75/' 1397) 0'@.(/25' (8813' N' 7' 4134((7/1.)' ?1/(13' 1%' 7 1@(3;' /02' 41 13(25' /1' /7M' /02?52 Q25' @75' (3/.19:429' 8)' 1.9' 1./0' (3' /02' ?(95/' 1%' (Q25' 739' %1./:325' @7.' 739' %7?(32' D2' @23/' (3/1' /02' 1:52' (3' 413%:5(13' 2Q2.)' ?1?23/' 2MH24/(3;'/07/' /02' 29%1.95' @1: 9' %)' (3/1' .282 (13' 7;7(35/' /0152' ?275:.25' 1.9' 1./0' .152' 5(M' /:325' /1' 7HH2752' /02' 5/1.7(' 8:/' 7' (3' Q7(3' /(' 7/' 23;%(' (.' (82./

s (1/Z 924 7.29 %1.' 9?(3(5/.7/(13' 739 /02 /.11H5 7 ' .7 (29 :392.' /02 H.1H2.' 5/7397.9 O F N 02 29%1.9 H7./) O @.(/25 /02 ?2.(473 0(5/1.(73' N/0.27/2329 /1' Q1/2 7;7(35/ /02 (3(5/2.' /(' (.' (82./ (1/' /02 @2 R>31@3 %.(239 1% /02 (3;' 8.1:;0/ /1' 0(5 7(9 /02 .1)7' (3% :2342' 739 524:.29 %1.' /02 ?1/(13 7 7.;2 ?7G1.(/) O %

0(5 7?(78 2' 01@2Q2.' (3792I:7/2 23927Q1:.' /1' 4134((7/2 /02 ?2.(4735' 1.(;(37/29' /02.2 (5 2Q2.)' .27513 /1' 82 (2Q2' (3 /02 (3;' (5 H.(34(H7' 413%(973/5 @1: 9 522?' /1' 07Q2 8223 1.9 1./0' (.' (82./ (H/' 739 9?(.7' 7.' 1@2' 02.2 @75 7/ /0(5 /(?2 31 H.(Q7/2 %7?()' (3 3; 739 @(/0 @01?' /02 (3;' 75514(7/29 13 ?1.2 7%%24/(137/2 /2.?5' /073 @(/0 /02 ?2?82.5 1% /02 01:52R 1% 1@2' 1.' /02 7.' 739 %1.' 0(5 407.?(3;' 739 7441?H (5029 5(5/2.' .5' 1@2' 02 2Q2.' 23/2./7(329 /02 5/.13;25/ .25H24/ 739 .2;7.9')' /02 ?7..(7;2 1% /02(.' %7/02.' ?73:2 ' 524139 9(541:3/ 1@2' @(/0 7.)' 1H0(7 (2?7352;;2' 7 37.R /:.7' 97:;0/2.' 1% 21.;2 /02 (.5/' /02)' @2.2 %(.5/ 41:5(35 1342 .2?1Q29 /1' /02 (3;' 1.21Q2.' /02 %74/ 1% /02 7.=5 ?1/02.' 07Q(3;' 8223 79)' 1% /02 29407?82.' /1' :;:5/7 -.(34255 1% D7 25 079 H.1878)' (?H.1)29 /02 (3/(?74)' 82/@223 /02 /@1' %7?((25' D023 /02.2%1.2 @2 9(541Q2.' 51' (3/(?7/2 7 %.(239 1% /02' (3;' 75 1.9 1@2 522>(3;' 4 73925/(32 (3/2.Q(2@5 @(/0 .73>(3 <' @023 @2 .2?2?82.' /07/ 0(5 1.950(H 02 9 (?H1./73/ 1%%(42 75 .27J 5:.2.' 1% /02 7Q)' 739 /07/ .73>(3' 13 /02 1/02.' 0739' @75 31/ 13)' .2;7.929 8)' /02 0(;0 H.2.1;7/(Q2 H7./)B 75 7 .282' 8:/ /07/ 02 (Q29 (3 97()' 7HH.20235(13 1% 7..25/ <739' 75/)' @023 @2 %(39 /07/ /02 18G24/ 1% /02(.' (3/2.J Q(2@5 @75 /02 4134(07/(13 1% /02 ?2.(473 1 13(25 < @2 07Q2 5:.2)' 7 .(;0/ /1' H.25:?2 /07/ 51 47:/(1:5 739 57;7J 4(1:5 7 318 2?73 75 1.9 1@2 @1: 9 32Q2.' 07Q2 :392.J /7>23 51 92 (47/2 7 32;1/(7/(13' :3 255 2MH.255)' 925(.29 739

F 2//2.'/1' .' 1.1)9' 28.:7.)' !$$V X (8813=5 (51' D1.>5' H' + "' /' 734.1%/=5 (5/' 1% /02 3(/29 /7/25' Q1 ' Q((' H' +SL' 15/13' !"#*' 02 3:?82.5 13 /02 9(Q(5(13 @2.2 +$S /1'

' ! " v ' ' ' ' "L

(35/.:4/29' 8)'8(5' 51Q2.2(;3' 1' 132'?9229'473' .279'/82' (3/2.25/(3;' 7441:3/5' @0(40' .73> (3' 075' 82I:27/029' 35' 1%' /0152' (3/2.Q(2@5' @(/01:/' @2' /0(3Q' 82(3;' 57/(5%(29' /07/' /02' (3;' @75' /02' H.1?1/2.' 1%' /02?' ';7?2' 1%' 40255' @(/0' /02' 79)' 1%' /02' ?735(13' @75' /02' 15/235(8 2' 47:52' 1%' .73 9?=5' Q(5(/5' /1' .7%/13' /.22/' 1' 413%2.' (3' H.(Q7/2' Q9/0' 1.9' 1@2' 13' ?2.(473' 7%%7(.5' @75' /02' .27' 739' (?H1./73/' ?1/(Q2' D07/' 23I:(.29' 0(.5' 1@2' 1%' 0(?' 1Q2.' /02(.' 40255R817.9' @2.2' /02' .27' 739' 5:85/73/(Q2' ;.1:395' 1%' I:7..2' 82/@223' .27/' .(/7(3' 739' ?2.(47c' 02.2' @2.2' 31' N 4 750(3;' (3/2.25/5 0' @75' /02' H(/0)' .2H)' N /' @75' .7/02.' 7' ?7//2.' 1%' H:34/(01< @0(40R/@1' 1.' /0.22' 5235(8 2' H21H 2' ?(;0/' 52// 2' (3' 07 %' 73' 01:. 0' F

1' /02' ?1./(%(47/(13' 1%' /02' (:5/.(1:5' ?2.(473' /0(5' 0(5' 75/' 7//2?H/' /1' 18/7(3' .29.255' %1.' 0(5' 5:%%2.(3;' %2 1@R' 41:3/.P1323' 47?2' /1' 31/0(3;' 2' 079' 8)' /0(5' /(?2' /1' :52' 0(5' 1@3' @1.95' 427529' /1' 23 2./7(3' 7' 01H2' /07/' /02' 925/(3(25' 1%' ?2.(47' @1:9' 82' N.254:29' 1:/' 1%' /02' ?73;(3;' 07395' 1%' /02' H.2523/' 52/' 1%' 8:392.(3;' (3(5/2.5 0' \' 2' 079' 7//23929' 739' %1.' /02' 75/' /(?2' 05/2329' (3' /02' 1:52' 1%' 1.95' /1' (3(5/2.(7' 92H.24(7/135' 1%' N ?2.(473' 41:.7;2' .2(;(I3' 739' :392.5/739(3;0' 3; 739' (35/279' 1%' 791H/J (3;' 0(5' Q(2@5' /0.27/2329' 0(?' @(/0' 7' H.(513' 739' 7441.9(3;)' 02' H.2H7.29' /1' .2/:.3' /1' 0(5' 37/(Q2' 41:3/.)<(35:/29' ?1.J /(%(29' 9(57HH1(3/29' 32' 1%' /02' 75/' Q(5(/5' @0(40' 02' H7(9' @75' /1' 9?:39' :.>2' 13' /02' 97)' H.2Q(1:5' /1' 0(5' %(37)' I:(//(3;' 13913 P' 1:.3%:)' 0i' H.29(4/29' /02' (?H239(3;' 52H7.7/(13' 82/@223' /02' ?1/02.R41:3/.)' 739' 02.' 1 13(25

F' .73> (3=5' (%2' 739' D.(/(3;5' .1 ' (' H' SS!' 22' 7 51' 2%%2.513=5' 2?1(.5' 739' 1..25H1392342' Q1 ' (' HH' ,L<S' N (2' (3;0' @.(/25' .73> (3' (3' !$$+' N 075' 7/2)' 8223' 027.9' /1' 5H27>' 1%' ?2' @(/0' .2;7.9 0' .73> (3=5' (%2' 739' D.(/(3;5' Q1 ' (' H' LV*' /' '5 # H' SLV

/' .(1.=5' (%2' 1%' :.>2' Q1 ' (' H' L*#' .73> (3' 7..(Q29' 7/' O(G792 HO(7' 13' /02' S/0' 1%' 7)' /1' /02' ;.27/' 57/(5%74/(13' 1%' 0(5' %2 1@R41:3/.)' ?73

N' D 2 41 ?2' 1342' ?1.2
1' /0252' %7(.' @25/1?' H 7(35' /0)' 37/(Q2' 501.2' T
2.2' (Q2' 82 1Q29T

*' +

"(

?2.(47' 02' 57(9' 079' 23G1)29' 07HH(2.' 97)5' :392.' /02' .: 2' 1%' .27/' .(/7(3' /073' H155(8)' 502' ?(;0/' 2Q2.' 23G1)' 7;7(3' 2' 7?23/29' /02' 52H7.7/(13' 8:/' 02' 79929' (/' @75' (32Q(/78 2' D023' 3(32/223' ?13/05' 7%/2.@7.95' .73> (3' 32M/' Q(5(/29' :.1H2' (/' @75' (3' /02' H.1:9' 47H74(/)' 1%' 0 (3(5/2.' - 23(H1/23R' /(7()'%.1?' /02' ?2.(473' 13;.255'/1' /02' 1:./' 1%' .7342 F' N' 3' .2;7.9' /1' /0(5' 2Q23/ 0' @.(/25' 1.9' 14 93;07?' N' ' 47331/' .2%.7(3' %.1?' H7)(3;' ?)' /.(8:/2' 1%' 79?(.7/(13' /1' /02' Q(;1:.' ?7;373(?(/)' 739' 92/2.?(329' .251 :/(13' 1%'/02' 1 9' ?73' 02' 01..(9' 54232' 7/' ' < 0' * " ' (5' (3' ?)' ?2?1.)' /01:;0' H2.07H5' 31/' (3' 0((' /' ?7)' 31/' 2M4(/2' 0(5' 4139:4/' /' 42.J /7(3)' 92/2.5' 0((((' 31/' 2' 81 9)' Q23/:.25' /1' 4.155' /02' / 73/(4' (3' 73' ?2.(473' 0// 2' %.(;7/2' 739' .(5>5' /02' 973;2.5' 1%' 82(3;'/7>23' 739' 82(3;' 1342' ?1.2' 8.1:;0/' 82%1.2' 73' (?J H 7478 2' /.(8:37' 02R' 5(;0/' y' 73I:1=5' ;015/' 41:9' 31/' ?1.2' 1%%239' /02' 2)25' 1%' 7482/0X' /073' /02' >31@ 29;2' 1%' /0(5' 1 9' ?73' 82(3;' 7/' 2.57(25' 501:9' 7%%24/' /02' ?(395' 1%' /0152' @01' @2.2' H.(34(H7 5' (3' /07/' 01..(9' 54232 0' F

:.>2' 7HH27.5' /1' 07Q2' 8223' ?1.2' 573;:(32' /073' .73 9(3' (3' .2;7.9' /1' ?2.(473R' 7%%7(.5' 739' 7441.9(3;)B' 31/' ?73)' 97)5' 7%/2.' /02' 92H7./:.2' 1%' 0(5'%.(239' 02' ?1Q29' (3' /02' 1:52' 1%' 1??135 '7' 52.(25' 1%' H.1H15(/(135' 75' /02' 875(5'%1.' 4134(J (7/(13' 82/@223' .27/' .(/7(3' 739' ?2.(47' (5' 5H2240' 13' /0(5' 14475(13' (5' 57(9' /1' 07Q2' 8223' 132' 1%' /02' %(325/' 2Q2.' 92 (Q2.29' @(/0(3' /02' @7 5' 1%' -7.(7?23/'÷)2/' (/' H.19:429' 31' ?1.2' %7Q1:.78 2' .25:/5' /073' 079' 8223' 2%%24/29' 8)' /02' 4 152' .27513(3;5' 739' 2MH2.(2342' 1%' -1@37 ' 1.' 8)' /02' %2.Q(9' 2 1J I:2342' 1%' 07/07?' 1'%2@2.'/073'/@1'0:39.29' 739' 52Q23/)' ?2?82.5' 7;7(35/' 52Q23/)R2(;0/' Q1/29' (3' %7Q1:.' 1%' /).733)' 739' 5:8G:;7/(13' D2 ' ?(;0/' :.>2' 2M4 7(?' (3' /02' 41:.52

D0)' 5/7(9' 7H15/7/2' D2992.8:3(' 820(39
02' 54:?' /02' 541.3' /02' 541:39.2' 1%' ?73>(39' ¢0
N (Q(3;/13=5' 762//1?R0' 7)' S' !$$V' I:1/29' (3' 11.2=5' (7.)' 1%' /02' ?2.(473' 2Q1:/(13' Q1 ' (' H' $S
F' 14>(3;07?' -7H2.5' Q1 ' ((' HH' L*!< +

1%0(5 ?2?1.78 2 1.7/(13<N ';.27/2?H(.2739(//2?(395
;#0:/(/1;2/02.0< -74(%(47/(13 [7/0 ?2.(47 0@./(25
D7H12/1 733'N(531//02'?275:.2791H/29' 1.2.2;(J
?23/57.2 1.92.29/0(/02.' 02)'7.2 01 9 (3(5/2.5'?2R
/0(3 45' @01 91 31/025(/7/2 13 7 4(Q(' @7.' (3 @0(40
Q(4/1.)'?7)'8.(3;' .:(3'739 9(57HH1:(/?23/ 23973;2.'/02(.'
02795 0F B B
0:5 ;.79:7)'82;73/1 9(2 7@7)'?15/1%/02 .2?7(3(3;'
01H25 23/2./7(329 8)'/02 @(52 739/02 %7.R5(;0/29'1%82(3;'78 2
/1 7Q2./ /02 01..1.5 1% 4(Q(' @7.' 739/02 9(5?2?82.?23/1%
/02 ?H(.2' 2342%1./0'/02 I:25/(13 7/(55:2 82/@223/02
/@1 41:3/.(25 @75 .29:429 /1 /02 5(?H2 8:/F?1?23/1:5
H.1H15(/(13' @02/02.' .27/' .(/7(3F @75 /1 $5:8G:;7/2 02.'
1 13(25' 1.' @02/02.' /02 1 13(25 @2.2 /1 740(2Q2 /02(.'
392H2392342' :40 @75 /02 Q(2@' @0(40 @75 /7>23 1%
/02 5:8G24/8)'/02 %2340 1:./X 739'(39229'@(/0/02
2M42H/(13 1%/02 .(/(50 (3(5/2.5 739/02 41:3/.)';23/2J
?23'5:40 @75 /02 Q(2@' @0(40 @75 82;(33(3;'/1 82 791H/29
13 2(/02.'5(92 1%/02 /73/(4
02.2 @2.2 /@1 H1(3/5' 413324/29 @(/0 ?2.(473 7%%7(.5'
13 @0(40 /02 (?7;(37/(135 1% 1.9 1./0 739 0(5 41 27;:25
^7HH27.' /1 7Q2 .:3 41?H 2/2)'@(9' 3 /02 %(.5/H 742'
(/ @75 5/(' /02(.' 413Q(4/(13 /07/ /02 1 13(5/5' (35/279 1%
%(;0/(3;' @1:9 82 275()'%.(;0/2329 (3/1 5:8?(55(13X 739
524139)'/02)'@2.2 31 %255 57/(5%(29 /07/ /02 7%%24/(13' @0(40
/02 ?2.(4735 5/(' H.1%25529 %1.' /02 ?1/02.R41:3/.y' @75
31/0(3;' 8:/7 %2(3/' 739 /07/ 392H2392342 079 13;' 8223
/02 239 739 7(?' 1% /02(.' 279(3;' ?23' 1@' 41?H 2/2)'
?2.(473 Q7 1:.' 5:852I:23/)';7Q2 /02 (2/1 /02 %1.?2.' 413J
Q(4/(13 (/(5 3229 255 /1 1852.Q2' 1.' @75 /02 524139 H.1H1J
5(/(13' 4.:2)'.2% 24/(3;' 75 (/ 9(9' 13 /02 5(342.(/)' 1% /02
/.7(;0/%1.@7.9 %1:392.5 1%/02 ?2.(473 2H:8(4' 255' :3J
51:39 /073 /02 %(.5/' 1.' (35/7342' @023' (3 /02 H.2429(3;

?13/0 1% 4/182.'/02 0(;0R?(3929 D750(3;/13 2MH.25529 0(5 413Q(4/(13 N/07/ 31 5:40 /0(3;' 75 392H2392342 @75 925(.29 8)' 73)' /0(3>(3;' ?73 (3 ?2.(47 0 (5 (/ 41342(Q78 2 /07/ 02 @75 (39(/(3;' 7 92(82.7/2 :3/.:/0cF ;7(3' @023 .73> (3 ;7Q2 /02 57?2 51 2?3 755:.7342 /1 1.9 07/07?' (5 (/ 4.29(8 2 /07/ 02 @75 @(%:)' 9242(Q(3;' /02 5/7:34025/ 407?H(13 739 %.(239 1% ?2.(473 (82./)' 739 1% /02 ?2.(473 H21H 2c N '755:.2)1:.' 1.950(H 0 @2.2 .73> (3=5 @1.95' N/07/ 07Q(3;' ?1.2 /073 1342 /.7Q2 29 7?15/ %.1?' 132 239 1% /02 13/(323/ /1 /02 1/02.' 739 >2H/ 7 ;.27/ Q7.(2/)' 1% 41?H73) < 27/(3;' 9.(3>(3;' 739 413Q2.5(3;' @(/0 /02?' %.=22) < ' 32Q2.' 027.9 (3 73)' 413Q2.J 57/(13 %.1?' 73)' H2.513 9.:3>' 1.' 5182.'/02 275/ 2MH.255(13 1% 7 @(50 %1.' 7 52H7.7/(13 1.' 0(3/ /07/ 5:40 7 /0(3;' @1: 9 82 R79Q73/7;21:5 /1 ?2.(47 0 (9 2%%2.513 /2 ' 73 :3/.:/0 @023 02 @.1/2 < N 2%1.2 /02 !,/0 1% H.(' $V ' 32Q2.' 027.9 7 @0(5H2.' 1% 7 9(5H15(/(13 /1 52H7.7/2 %.1?' .27/ .(/7(3c0 .' @75 103 97?5 5(?(7.)' ;:(/)' 1% 73 :3/.:/0 @023' (3 7.40 !$$V' 02 @.1/2 1% /02 H21H 2 1% 755740:52//5 < N 07/ /02.2 7.2 73)' @01F H73/ 7%/2.' 392H2392342 (5 /02 ;.27/25/ 5 7392.' 13 /02 H.1Q(342c0 N /(5 1:.';.27/25/ @(50 739 (34 (37/(13 75 @2 75 (3/2.25/ B /1 413/(3:2 1:.' 41332M(13 @(/0 739 92H2392342 :H13 /02 .(/(50 1Q2.3(023/ 0< @2.2 /02 @1.95 1% /02 %7?1:5 251J :/(13 @0(40 7/ /02 5:;;25/(13 1% D750(3;/13 @75 791H/29 8)' /02 H21H 2 1%N 7(.%7M 41:3/) :R;(3(7 % ' 1T< 02

F ;7(3 KD750(3;/13 @.(/25 (3 !$$S X< N (Q2 ?2 27Q2 /1 799 < 739 ' /0(3>' 473 7331:342 (/ 75 7 %74/ < /07/ (/ (5 31/ /02 @(50 1.' (3/2.25/ 1% /07/ ;1Q2.3?23/ s 7557J 40:52//5 2 1.' 1% 73):1/02.':H13 /0(5 13/(323/' 52H7.7/2)' 1.' 41 24/(Q2)' /1' 52/ :H %1.' 392H2392342 0 + * '0 ' ' - ' Q1(' ('H' !L!' 39229' 51' 7/2' 75 /02 %(.5/ 1% H.(' !$$#' 13)' /0.22 ?13/05 82%1.2 ?2.(47 924 7.29 02.' 392H2392342 ' D750(3;/13 @.(/25 /1 152H0 229 < N)' 41:3/.)?23 ' >31@' %.1?' /02(.' %1.?' 1% ;1Q2.3?23/ 739 5/279)' 7//740?23/ 02.2/1%1.2 /1 .1)7/)' @('41?2 .2 :4/73/)' (3/1 /02 (927 1% 392H2392342 X 8:/ /(?2 739 H2.524:/(13 8.(3;' ?73)' @1392.%:' /0(3;5 /1 H755 0 - .' - ' ,' + * ' Q1(' (((' H' LS$

]' .73> (3=5 (%2 739 D./(3;5 Q1(' (' HH' SLV < # X 734.1%/=5 (5/' 1% /02 3(/29 /7/25 Q1(' Q((' H' L*!' X 15/13' !"#*' X D75((3;/13=5 D./(/(3;5 29(/29 8)' H7.>5 Q ' ((' HH239(M' H' S,*

)$ ' (* ' ' ' ' "$

392H2392342' 1%' ?2.(47' 5H.73;' 31/' %.1?' H.2?29(/7/(13' 31.' (3/.(;:2' 02.2' ?7)' (39229' 07Q2' 8223' 7'%2@' 1%' /02' ?1.2' 2M75H2.7/29' 1.' 7?8(/(1:5' 1%' 02.' 5135' @01' 11>(3;' %1.@7.9' /1' /02' %:/:.2' ;.27/3255' 1%' /02(.' 41:3/.)' 7.279)' 75H(.29' /1' /0.1@' 1%' /02')1>2' 1%' /02' H7.23/R 739X 8:/' 75')2/' 5:40' 079' 31/' 8223' /02' 925(.2' 1%' /02' @:525/R 739' /(2' 825/' 02' 2Q1:/(13' 31@' %75/' 7HH.1740(3;' @75' 31/' 1%' /02' ?2.(4735± 522>(3;' /' @75' (35/(;7/29' 32(/02.' 8)' %7 52' H7/.(1/5' 31.' 8)' 37H8R1.7/1.5' 31.' 8)' 9.27?(3;' H1 (/(47' 23/0:5(75/5' 02' @.13;5'%(.1?'@0(40'(/'5H.73;'@2.2'32(/02.' (?7;(37.)' 31.' @2.2' /02)' 1.9(37.)' @.13;5' /' @75' /02' :3(Q2.57' .(5(3;' 1%' 7' 57;74(1:5' 739' 7' 1)7' H21H 2'F' (3' 92%2342' 1%' /02(.' 407./2.29' (82./(25' 739' /02(.' (Q25 < 7' 51 2?3' 7HH27' /1' /02' 19' 1%' 7// 25' /1' 92%239' 739' :H01 9' /02' .(;0/' N' :.' 4139:4/ 0' @.(/25' 1.742' D 7 H1 2' /1' 232.7' 13@7)' N 075' 8223' /07/' 1%' H2./' 40(9.23' D 2' 07Q2' /0.1@3' 7' H288 2' 7/' 7' ?75/(%%' 739' 7.2' 5:(RH.(529' (/' @75' 31/' %.(;0/2329 0' %' 3' /02' ?273' /(?2' /02' 32@5' 1%' /02' 7.8(/.7.)' H.14229(3;5' 1%' /02' .(/(50' 2;(5 7/:.2' 079' ;.27/)' (34.27529' /02' %2.?23/' (3' ?2.(47' '2)25' 75'%1.?2.)' @2.2' /:.329' /1@7.95' 7557J 40:52//5' 739' 25H24(7)' /1@7.95' /02' H21H 2' 1%' 15/13' 3' /07/' 4(/)' 7' 9(5?7' @(3/2.' 079' 8223' H75529 < P8)' /02' .(/(50' .2;(J ?23/5' 13' /02' 132' 5(92' (3' (3;1.(1:5' (374/(Q(/)' 739' 8)' /02' 279(3;R?23' 1%' /02' H.1Q(342' (3' H.1Q(9(3;' %(.2R7.?5' 41 24/(3;' ?(0/7.)' 5/1.25' 739' (34.275(3;' /02(.' (0/(7' 1.' ?:/2' 23' @01' 31@' 7?1:3/29' /1' 52Q2.7' /01:57395' 02' 5(;0/' 1%' /02' 51 9(2.5' %1./(%)(3;' 15/13' 24>' 079' >2H/' /02(.' 2M75H2.7/(13' 4135/73/)' 7 (Q2' '?2.2' 7HH(923/ < P/02' 155' 1%' 7' 5(3;2' 0%2' (3' 7' 54:%% 2 < ?(;0/' 7/' 73)' ?1?23/' >(39 2' 4(Q(' @7.' /0.1:;0J 1:/' /02' @01 2' 413/(323/' 1%' ?2.(47 H.(3;' 079' 547.42)' 52/' (3' 82%1.2' 5:40' 73' 14475(13' 74/:7)

F' /' 7' 9(332.' ;(Q23' 7/' 2@' 1.>' 13' /02' V/0' 1%' :)' /1' 232.7' D 115/2.' 739' /02' 1%%2.5' 1%' /02' 13324/(4:/' 41.H5' @2' %(39' /02' %(.5/8' /175/' H.1H1529' 739' 9.:3>' /1' 82 <' ^' 02' (3;0' < .' 9 ' ' ' &4) ' ' Q1 ' (' H' !*$]' D7 H1 25' 2//2.5' ' ' H'

144:..29' 3/2 (;2342' 07Q(3;' .274029' 232.7' 7;2' /07/' 7' 7.;2' ?7;76(32' 1%' ?((/7.)' 5/1.25' 079' 8223' %1.?29' 8)' /02' ?2.(4735' 7/' 1341.9< 7F' (3 739' /1@3' 781:/' /@23/)' ?(25' %.1?' 15/13< 02' 92/2.?(329' 7/' /02' .2H27/29' 51 (4(/7/(135' (/' (5' 57(9' 1%' /02' ?2.(473' 1)7 (5/5' (3' 755740:52//5 P' 7/' 1342' /1' 2%%24/' 2(/02.' (/5' 47H/:.2' 1.' 925/.:4/(13' 441.9(3;)' 13' /02' 3(;0/' 1%' /02' !"/0' 1%' H.(' '7' 524.2/' 2MH29(/(13' 4135(5/(3;' 1%' 781:/' 2(;0/' 0:39.29' .2379(2.5' (;0/' 3%73/. P' 739' 7.(325' :392.' /02' 41?? 739' 1%' (2:/2373/R 1 132' ?(/0' 1%' /02' 23/0' U 2;(?23/' @2.i' 27.329' (3' 817/5' 74.155' /02' 07.25' (Q2.' /1' 75/' 7?8.(9;2' N' 02)' @(' ?(55' /02(.' 7(? O' 57(9' 7' ?)5/2.(1:5' Q1(42' %.1?R7?13;5/' /02' 8)25/7392.5' N D07/' 7(?cO< 075/()' 23I:(.29' 7' .(/(50' 1%%(42.' 7.' -2.4)' N D0)' /02' 473313' 7/' 1341.9O' @75' /02' .2H)' 1.9' -2.4)' (35/73/)' %2@' /1' 41??:3(47/2' /02' @1.95' /1' 232.7' 7;2' @023' (??29(7/2' 1.92.5' @2.2' ;(Q23' %1.' H.2Q23/(3;' 73)' ?2.(473' I:(//(3;' /02' /1@3'X 8:/(/' @75' %1:39' (?H155(8 2' /1' 47..)' /02?' (3/1' 2%%24/' .279)' /@1' 0(;0R5H(./(29')1:3;' (323' ?1:3/29' 13' % 22/' 01.525' @2.2' ?7 93;' /02' 825/' R1% /02(.' @7)' /1' 1341.9'X >314>(3;' 7/' /02' 01:52R911.5' 1%' /02' 9(%%2.23/' Q(7;25' /0.1:;0' @0(40' /02)' ;7 1H29' 739' 41??:3(47/(3;' /1' /02' (3078(/73/5' /02' (3/2 0;2342' 1%' /02' 79Q7342' 1%' /02' .(/(50' /.11H5' .279)' @(/0' %7.' ;.27/2.' .7H(9(/)' /073' /02' 5H229' 1%' 01.525' 7' ?)5/2.(1:5' (;0/' 5/.27?(3;' %.1?' /02' 5/22H 2' 1%' 132' 1%' /02' 15/13' 40:.4025' @75' H.1?:;7/(3;' %7.' 739' @(92' /07/' H2.(' @75' 7/' 0739' 023' /11' %2 ' 13' /02' 27.5' 1%' /02' 75/13(5029' 51 9(2.)' /02' 51:39' 1%' /02' .(3;(3;' 1%' 82 5' 739' /02' 9(5/73/' %(.(3;' 1%' 473313' Q23' /1' /02')1:3;25/' 51 9(2.' (/' ?:5/' 07Q2' 8223' 2Q(923/' /07/' /02(.' H:.H152' 079' /.735H(.29'X /07/' /02' 51:395' /1' @0(40' 02' 05/2329' @2.2' /02' 5(;37 5' %1.' .1:5(3;' :H' /02' (3:/2' 23\' %.1?' /02(.' 8295X' 739' /07/' 82%1.2' 97) (;0/' 73' 1Q2.H1@2.(3;' %1.42' ?(;0/' H155(8)' 7//74>

F' 1.913=' (5/' 1%' /02' ?2.(473' 2Q1 :/(13' Q1(' (' H' S$$
]' 1' 47 29' (/' (5' 57(9' %.1?' /02(.' 82(3;' H 29;29' /1' ..:50' /1' /02' H15/' 1%' 973K4.' 7/' 7' ?(3:/2=' 31/(42' 0

7 ' 9(54 (7.;29' 0(5' 1@3' H(5/1 ' ;7Q2' /02' 1.92.' /1' 0(5' ?23' /1' %(.2' 73' 1.92.' @0(40' @75' 13)' /11' H.1?H/)' 739' 2%%24/:7)' 182)29' N' 023' 739' 31/' /(' /023 0' @.(/25' /02(.' 0(5/1.(73 N' 9(9' 7' %2@' 1%' /02?' 13' /02(.' 1@3' (?H:52' .2/:.3' /02' .(/(50' %(.2' 0252' .7391?' 501/5' 1%' %:;(/(Q25' 1.' 9)(3;' ?23' 9(9' 31' 07.?' 2M42H/' /07/' -(/47(.3=5' 01.52' @75' H2.07H5' ;.7629' 739' 7' H.(Q7/2' 1%' /02' !*/0' (;0/' 3%73/.)' @75' /1:4029' 5(;0/)' (3' /02' 2;0'F' 2Q23' 1%' /02' ?((/(7' @2.2' >(29' 739' 3(32' @1:3929

:40' (5' /02' ?2.(473' 7441:3/' 1%' /02' 5>(.?(50' 7/' 2M(3;J /13<73' 7441:3/' 42./7(3)' 9(%%2.(3;' Q2.)' ?7/2.(7)' %.1?' /07/' @0(40' @75' 5:8521:23/)' 9.7@3' :H' 8)' 1 132' ?(/0' %1.' /02' (3%1.?7/(13' 1%' 232.7' 7;2' 739' /02' .(/(50' 1Q2.3?23/ N' ':392.5/739 0' @.(/25' /02' 1 132' N'%.1?' /02' .2H1./' 1%' 7G1.' -(/47(.3' #' ' 0' ' /07/' /02)' %1:39' 13' 7' ;.223' 4 152' /1' /02' .179' 7' 819)' 1%' /02' 41:3/.)RH21H 2' 9.7@3' :H' (3' ?((/7.)' 1.92.' @(/0' 7.?5' 739' 7441:/.2?23/5' 739' 75' 7HH27.29' 7%/2.' 17929X' 739' /07/' /02)' 079' H15/29' 51?2' ?23' (3' 7' 9@2 (3;' 739' ?22/(3;RO1:52' :.' /.11H5' 79Q73429' /1@7.95' /02?' @(/01:/' 73)' (3/23/(13' 1%' (3G:.(3;' /02?' %:./02.' /073' /1' 23I:(.2' /02' .27513' 1%' /02(.' 82(3;' /0:5' 7552?8 29' 739' (%' 31/' 57/(5%74/1.)' /1' 07Q2' 524:.29' /02(.' 7.?5' :/' /02)' (3' 413%:5(13' @23/' 1%%' H.(34(H7)' /1' /02' 2%/X' 13)' 132' 1%' /02?' %(.29' 82%1.2' 02' @23/' 1%%' 739' /0.22' 1.' %1:.' ?1.2' G:?H29' 1Q2.' 7' @7 ' 739' %(.29' %.1?' 820(39' (/' N7((13;' /02' 51 9(2.5' 13' @0(40' /02' /.11H5' .2/:.329' (/' 739' >(29 52Q2.7' 1%' /02?' 02)' (>2@(52' %(.29' 13' /02' 51 9(2.5' %.1?' /02' ?22/(3;' 739' 9@2 (3;RO1:52' D2' 079' 132' ?73' @1:3929' 739' 7G1.' -(/47(.3=5' 01.52' 501/' (3' /@1' H 7425 0'=

3' 734.1%/=5' (5/' 1%' /02' 3(/29' /7/25' Q1 ' Q((' H' +,L'X ?2.(473' .40(Q25'' U%1:./0' 2.(25' Q1 ' ((P41 ' L#LX' L$*' ",+

]' 7.' /7301H2=5' (5/' 1%' 3;739' Q1 ' Q(' HH239(M' H' (M' X 13913' 762//2'#/1' !*' :32' !$$V' 22'7 51'7'925H7/40'/.735?(//29'8)' 232.7' 7;2'/1'/02' 7.'1%' :3?1.2' (3'/02' ?2.(473' .40(Q25'%1:./0' 2.(25' Q1 ' ((' 41 ' %+$MN# N 7G1.' -(/47(.3 0' 7441.9:(;'/1' 731/02.'7441:3/' N'47 29' :H13'/02?'/1' 9(5H2.52' 739' 13'7//2?H/(3;'/1' 5:..1:39' 739' 9(57.?' /02?' ,' ' ' ' G' :H13' @0(40' /02' (;0/' 3%73/.)' " ' 5 ' ' %(.29' 739' >(29' 52Q2.7' 1%' /02' 41:3/.)RH21H 2 0

(.' L# Z &' ' ' '

441 : 3/5' ' 9(%%2.23/' /02 . 2' (5' 42 . /7(3)' ; .27/' 9(%%(4 : /)' (3' .24134((3 ; ' 3' /02' %(.5/' H 742 ' /07/' 7' 819)' 1%' 07 %R9(54(J H (329' 41 : 3/ .) ? 23' 501 : 9' 07Q2' 41 ? ? 23429' 73' 7//74>' 13' 7' 92/740 ? 23/' 1%' .(/(50' / . 11H5 ' @01' @2 . 2' 31/' 13)' 0(; 0)' 1 . J ; 73(629 ' 8 : /' 5 : H2 . (1 . ' /1' /02 ? 52 Q25' (3' 3 : ? 82 . ' (5' /1' 57)' /02' 275/' (? H . 1878 2X @0(2' 13' /02' 1/02 . ' 0739 ' 31' 255' 9(%%(4 : /' (5' (/' /1' I : 25/(13' /02' Q2 . 74(/)' 1%' 73' 1%%(4(7 ' . 2H1 . /' 1%' 7' .(/(50' %%(42 . ' 1%' 0(; 0' H15(/(13X ? 1 . 2' 25H24(7)' 75' 02' 079' /7>23' 31' H7 . /' (3' /02' ? 2 73401)' 7%%.7) ' 739' 41352 I : 23/)' 41 : 9' 07Q2' 31' H2 . 5137 ' ? 1/(Q2' %1 . ' ? (5 . 2H . 2523/(3 ;' /02' %74/

/' @75' 781 : /' 52Q23' 1=4 14>' 13' 7' 827 : /(% : ' 5H . (3 ;' ? 1 . 3(3 ; ' /07/' /02' .(/(50' / . 11H5' ? 7 . 4029' (3/1' /02' 2M4(/29' /1@3' 1%' 13J 41 . 9 ' 02' 13)' %1 . 42' @0(40' 522 ? 29' /1' /0 . 27/23' /1' 9(5H : /2' /02(. ' 79Q7342' @75' 7' 819)' 1%' 781 : /' /@1' 0 : 39 . 29' 2M75H2 . 7/29' (/(/7' ? 23' @01' @2 . 2' H15/29' 13' 7' 32(; 081 : . (3 ;' 2 ? (32342 ' 8 : /' @01 ' H2 . 42(Q(3 ;' 01@' (3%2 . (1 . ' /02)' @2 . 2' (3' 3 : ? 82 . 5' /1' /02' . 2 ; : 7 . 5 ' @(/09 . 2@' 7/' /02(. ' 7HH . 1740' /1' /02' 9(5/7342' 1%' 781 : /' 07 %' 7' ? (2 ' @02 . 2' /02)' @7(/29' %1 . ' . 2(3%1 . 42 ? 23/5 ' - 7)(3 ;' 31' 7//23/(13' /1' /0(5' 819)' 1%' ? 23 ' %: ./02 . ' /073' 92/740(3 ;' 781 : /' 73' 0 : 39 . 29' 51 9(2 . 5' /1' 144 : H)' /02' 8 . (9 ; 2' 74 . 155' /02' 1341 . 9' (Q2 . ' 1 132 ' ? (/0' 41 ? ? 23429' 0(5' 527 . 40' %1 . ' /02' 473313 ' 739' 1/02 . ' @7 . (>2' 5/1 . 25 ' 1%' @0(40' 02' 079' 41 ? 2' (3' I : 25/ ' 02' ? 2 . (4735 ' 01@2Q2 . ' 079' 8223' 7 1@29' /(? 2' /1' 8 : .)' /02' 132 ' 739' /1' 47 . .)' 1%%' /02' ; . 27/2 . ' H1 . /(13' 1%' /02' 1/02 . ' 739' 41352 I : 23/)' /02' H7 /.)' B925/ . : 4/(13' 1%' 781 : /' 5(M/)' 87 . . 2 5' 1%' H1@92 . ' 739' %(Q2' 0 : 39 . 29' H1 : 395' 1%' 87 < /02' 5H(>(3 ;' 1%' /0 . 22' H(2425' 1%' 7 . /(2 .) ' 739' /02' 8 : . 3(3 ;' 1%' /02' . 22' 1%' (82 . /)' 739' 51 ? 2' ; : 3R47 . . (7 ; 25 < @2 . 2' 7 ' /02' 79Q73J /7 ; 25' %1 . ' @0(40 ' /1' : 52' /02' @1 . 95' 1%' /02' ? 2 . (473' 0(5/1 . (73 ' 232 . 7 ' 7 ; 2' N' H . 24(H(/7/29' 7' (Q(' D 7 . 0' F' N' - . (Q7/2 9@2 ? ; 5 0' 7441 . 9(3 ;' /1' /02' 57 ? 2' 7 : /01 . (/) ' N' @2 . 2' . (% 29' 8 : /' 51' %7 . ' %. 1 ?' 73)' 5 : 40' 1 : /. 7 ; 2' 07Q(3 ;' 8223' 5734/(1329' 8)

&

!) .' I) ') ' ' , ' < ' H ' $, ' 0252' 5/7/2 ? 23/5' /239' 7 /1J ; 2/02 . ' /1' 2M132 . 7/2' 7G1 . ' - (/47(. 3' %. 1 ?' /02' 407 . ; 2' 1%' . 750' 739' Q(1 23/' 4139 : 4/ F' 734 . 1%/-5' (5/ ' 1%' /02' 3(/29' /7/25 ' Q1 ' Q((' H ' L**

1 132 ? (/0 @2 %(39 %.1H(0(5 925H7/40 /1 232.7 7;2 /07/ 81/0 02 739 7G1.-(/47(.3 9(9 /02(. :/?15/ /1 7 7) /02 7HH.20235(135 1% /02 (3078(/73/5 8) 2MH 7(3(3;/1 /02?/02 /.:2 739 13) 18G24/ 1% /02(. Q(5(/ /1 1341.9 N D2 079 1HH1./:3(/(25 0 @.(/25 /02 1 132 N 1% 413Q(34(3;/02?1% 1:. ;119 (3/23/(135 8:/ /02) @2.2 5: >)G 739 132 1%/02?2Q23 5/.:4> 7G1.-(/47(.3 0 F

3 /02 ?273 /(?2 8)/02 H1:.(3;(3/1 1341.9 1%3:?82.5 1% 7.?29 ?23 %.1?/ /02 32(;081:.(3;%7(?R01:525 739 Q(7;25/02 H7./) 1% ?2.(473 ((/(7<@0(40@2 07Q2 ?23J /(1329 75 07Q(3;.2/(.29 7/ /02 7HH.1740 1%/02 .29417/5<079 8223 (34.27529 /1 781:/ %1:. 0:39.29 3 %.13/ 1% /02?7 ?15/ @(/0(3 ;:3R501/ @75 H.2523/29 /02 (..(/7/(3;5H24/74 2 1% 73 0:39.29 .(/(50 51G(9(2.5 144:H)(3;739 5/739(3;7/ /02(. 7.?5:H13 /02 /1@3 8.(9;2X @0(2 %:./02.1%% @75 5223 /02 5?1>2 7.(5(3;%.1?/ /02 8:.3(3; ;:3R47..(7;25 739 .22 1% (82./) 1. 51?2 23;/0 1% /(?2 /02 279(3;BB ?2.(4735 5/119 7H7./ ?73M(1:5 4135:/7/(13 /@75 (3 %74/31 (;0/ .25H135(8(/)/1%7 /1 /02 1/ 1% /0.22 1.%1:. H2742%:(39(Q(9:7 5 /1 82 5:9923)47 29 :H13 /1 924(92 13 /02 7 /2.37/(Q2 1% 2(/02. .2?7(3(3;H755(Q2 5H24/7/1.5 1% /02 925/.:4/(13 1% /02(. H.1H2./) 739 /02 (3Q75(13 1% /02(. .(;0/5 1. 2 52 8) 1%%2.(3;.25(5/7342 /1 /02 (3;=5 /.11H5 H.1J 878) H:3;2 /02(. 41:3/.) (3/1 7 4(Q(@7. 3 %.13/ 1% /02?7 ?15/ (3Q(/(3;7//74> @75 .73;29 73 (51 7/29 92/740J ?23/ 1% /02 .291:8/78 2 .(/(50 3%73/.) 1 (39:42 /02 .29417/5 /1 %(.2 (3 /02 %(.5/ (35/7342 (35/279 1% 82(3; /02?52 Q25 /02 7;;.2551.5 < /1 %1 1@ :H /02(. 5:44255 501: 9 /02) H.1Q2 Q(4/1.(1:5 8) H:.5:(3; 07.755(3; 7//74>J (3; 739 (% H155(8 2 733(0(7/(3; /02 .2?7(392. 1% /02 F .(/(50 %1.42 @0(2 3 (/5 .2/:.3 /1 15/13 < 7HH27. /1 07Q2

F 1 132 ? (/0=5 925H7/40X 7. /7301H2=5 (5/ 1% 3; 739 Q1 Q(HH239(M H ! * 22 7 51 1 ?2585 ?2.(473 337 5 Q1 (G H P$+ @02.2 73 732491/2 (5 .2 7/29 1%; .27/ %1.827.7342 13 /02 H7./ 1% 7 .(/(50 1%%(42. /239(3;5/.13;)/1 /02 H.25:?H/(13 /07/ H.(Q7/2 H.1H2./) @75 5H7.29 10 /02 14475(13

8223' /82' H 73' 1%' 1H2.7/(135' @0(40' KP75' 7;.229' 3H13' 8)' /0(5' (// 2' 1:34(' 1%' D7.' /' 7 ' 2Q23/5' /02' @1.9' @75' H.2523/)' ;(Q23' /1' 79Q7342' @023' /82' @01 2' 819)' 07Q(3;' H.2Q(1:5)' .242(Q29' /02' 5/.(4/25/' 41??7395' 31/' /1' 82' /02' %(.5/' /1' %(.2' ?7.4029' 9024/)' /1@7(B95' /02' 8.(9;2' 5' /02(.' H742' @75' 7' .7H(9' 132' 739' 75' /02(.' (3/23/(135' 739' 7//(/:92' @2.2' /1' 7 ' 7HH27.7342' 015/(2' 5:.2)' /02' .(/(50' (%' /02)' @2.2' /(2' %(.5/' /1' %(.2' 7.2' 31/' /1' 82' /11' 52Q2.2)' 8 7?29' N' 3' /(2(.' 41?(3;' H B2//)' 327.0' @.(/25' 1 132' ?(/0' N' 132' 1%' 1:.' ?23' %(.29' 13' /02?' @0(40' /02)' .2/:.329 0' /' @75' 31/B 01@2Q2.' /(' /02' .(/(50' 079' H1:.29' (3' 7' Q1 2)' :H13' /02?' 31.' /(' 7%/2.' /02' 7H52' 1%' ?73)' 5241395' /07/' /02' .2/:.3R%(.2' 47?2' %.1?' /02' ?2.(473' 5(92' 1.' 7' ?1?23/' (39229' (/' 522?29' /1' 82' 7' I:25/(13' @(/0' /02' 7//2.' @02/02.' /1' %(;0/' 1.' %)' @023' /02(.' 23/0:5(75/(4' 2792.' 7G1.' 103' ://.(4>F' 1%' 1341.9' 27H29' (?H2/:1:5)' %1.@7.9' 2M4 7(?(3;<N' (.2' %2 1@' 51 J 9(2.5' 1.' 19=5' 57>2' %(.2' 0' 79' /02)' 413/(3:29' /1' 025(/7/2' /02' (82./(25' 1%' ?B2.(47KB?(;0/' 07Q2' 8223' 4.:5029' %1.' 7' /(?2' 739' (2.' 392H2392342' H15/H1329' %1.' 731/02.' 423/:.)' 07/' Q1(42' 01@2Q2.' 74/29' (>2' 7' 5H2 ' 02' @1.95<N (.2' %(.2' %(.2' % 2@' %.1?' ?1:/0' /1' ?1:/0R 0' 739' (35/73/7321:5)' 7' Q1 2)' @75' 9(5407.;29' 7/' /02' .(/(50' @0(40' >(29' /@1' 1%' /02?' 739' @1:3929' 52Q2.7' 1/02.5' 023' 235:29' 7' 501./R 413% (4/' @0(40' @75' %1 1@29' 8)' /02' 9(541?%(/:.2' 1%' /02' .29417/5' @01' 1:/3:?82.29' 8)' 75' ?73)' 75' %1:.' /1' 132' .2/.27/29' (3' 413%:5(13' 739' 7HH7.23/)' H73(4R5/.:4>' /1' /02' ?7(3' 819)' 1%' /02(.' 41?.7925' 927Q(3;' /02' 8.(9;2' (3' /02' H155255(13' 1%' /02' ?2.(4735' :40' @2.2' /02' 40(2%' (34(923/5' 75514(7/29' @(/0' /07/' ?1?23/1:5' ^413% (4/' :H13' @0(40' /02' ?2.(4735' @(/0' 7' H7.91378 2' Q73(/ uF' 07Q2' 413%2..29' /02

F' 7G1.' ://.(4>' 5:852I:23/)' .242(Q29' 7' 1 132 =5' 1??(55(13' 739' 52.Q29' @(/0' 4.29(/' 9:.(3;' /02' 2Q1 :/(137.)' @7.' N' 3' 0(5' 9242752' ((5' %:32.7' @75' 7//23929' 8)' ?((/7.)' 0131:.5' ' H.14255(13' @(/0' 7HH.1H.(7/2' ?:5(4' ?1Q29' 1Q2.' /02' Q2.)' ;.1:39' @02.2' 02' 079' 29' 0(5' 51 9(2.5' /1' 74/(13' X 739' /02' 23/(.2' 54232' @75' /02' ?15/' 51 2?3' 739' (?H.255(Q2' 2Q2.' >31@3P3' 1341.9 0' ?) '&4) '& ' Q10 ((' H' +$+' # ' 073951?2' ;.73(/2' ?13:?23/' 41??2?1.7/(Q2' 1%' /02' 2Q23/5' 1%' /02' 97)' 31@' 5/7395' :H13' (2' 7((1/

5/7/2)' /(/ 2' 1%' /02' 7// 2' 1%' 1341.9' N' 0(5 0' @.(/25' /02(.' 0(5/1.(73' N (5' /02' @1. 9R.231@029' $ ' ' % &
?1.2' 2Q23/%:' /073' ;(341:./' 1.' 2302(? 0
/' @75' 3113' @023' 1 132' ?(/0' 739' 0(5' ?23' 41? ?23429' .2/.74(3;' /02(.' 5/2H5' /1' 15/13' 02' .179' @0(40' 0(5' /.11H5' 079' /1'/.7Q2.52' @75' 7' 0( )' 739' 6(;67;' 132' @(39(3;' /0.1:;0' %1.25/5' 739' 8.:50@119' 739' 14475(137)' 82/@223' 92%(25')' /0(5' /(?2' /02' @01 2' 1%' /02' 5:..1:39(3;' 41:3/.)' 079' .(523' 7;7(35/' /02' .(/(50' .27/' 3:?82.5' 1%' 7.?29' ?23' 47?2' H1:.(3;' (3' %.1?' 7 ' I:7./2.5' 2740' 1%' /02?' (3/23/' 13' 8.(3;(3;' /1' /02' 27./0' 7' .(/(50' 51 9(2.' 1' 51132.' 41352 I:23/)' 9(9' /02' .1)7' %1.425' 41? ?2342' /02(.' .2/.27/' /073' /02)' %1:39' /02?52 Q25' 2MH1529' /1' 73' (3425573/' 739' ;7 (3;' %(.2' /' @75' /1' 31' H:.H152' /07/' %74(3;' 781:/' /02)' 23927Q1:.29' /1' 8((3;' /02(.' 7557(73/5' /1' 7' 4 152' 2341:3/2.' .1?' /0(4>2/5' 739' 9(/4025' 739' %.1?' 820(39' 5/132' @7 5' 73' (..2;:7.' %(.2' @75' >2H/' :H' @0(40' @(/0' 547.42)' %(Q2' ?(3:/25' (3/2..:H/(13' @75' 413/(3:29' %1.' 2(;0/223' ?(25' 1/' 7' .14>' 31/' 7' /.22' 8:/' @75' /7>23' 79Q73/7;2' 1%' /1' 07.755' /02' .2/.27/(3;' %1.42' /01:;0' 547.42)' 07 %' 7' 91623' ?2.(4735' @2.2' 7/' 73)' 132' ?1?23/' /1' 82' 5223' /1;2/02.' /02' 14475(137' 9235(/)' 1%' /02' ;7 (3;' %(.2' 2Q(3429' 01@' 3:?2.1:5' @2.2' /02' 7557(73/5' 02' .(/(50' 079' 41? ?23429' /02(.' .2/.27/' (3' ;119' 1.92.' -.2J Q(1:5)' 01@2Q2.' /1' /02(.' .2740(3;' 2M(3;/13' (/' @75' 413J Q2./29' 7 ?15/' (3/1' 7' %(;0/' 02(.' 7? ?:3(/(13' 8)' /0(5' /(?2' @75' 327.)' 2MH23929' /02' @1:3929' 079' 82;:3' /1' 9.1H' %.1?' 755(/:92' 739' 155' 1%' 8 119' /02' % 73>(3;RH7./(25' 079' 8241?2' /11' %7/(;:29' /1' 82' 78 2' 73)' 13;2.' /1' 9(5407.;2' /02(.' 9:/(25' @(/0' H.1H2.' 2%%24/' Q23' /02' ?2.(473' @.(/2.5' 79?(/' /07/' /02' %%(42.5' 8207Q29' 79?(.78)')2/' 8:/%1.' /02' H.1?H/(/:92' 1%' 232.7' 7;2' 7' /02(.' ;7 73/.)' 739' 7' /02(.' 2%%1./5' /1' %1.?' /02(.' ?23' @1:9' 07Q2' 8223' /1' 31' H:.H152' 3/2 (J ;2342' 07Q(3;' .274029' 0(?' 1%' /02' 1HH15(/(13' @0(40' /02

%(47/(13X @023 41Q2.' @75 @73/(3;'/02)' .7(529 8.275/@1.>5 1%' 50(3; 2' 1.')(3;' 91@3 /1' 179 /02(.' ; :35 7/ 132 H 742' %(.29 (/ 1%% %.1?' 731/02.' 0:5 H:.5:29 739 07.75529 8)' /02(.' ?2.4(255 7557(73/5< /02(.'7??:3(/(13 7;7(3 82;(33(3;' /1' %7(' 739 7 ' 8:/ /02 5/.13;25/ 82;(33(3;' /1' 5(3>' %(=1?' %7/(;:2<;.27/ (39229 ?:5/ 07Q2 8223 /02 57/(5%74/(13 1%' /02 .(/(50 @023' 501./)' 82%1.2 5:352/' /02 /1PQ3 739 07.81:.' 1%' 07. 25/1@3 7HH27.29 (3 5(;0/' :.(3;'/02 97)' 1.9 -2.4)=5 8.(;792 079 ?7.4029 /0(./)' ?(25 (3 /23 01:.5X ?(/0 739 0(5 92/740?23/ 079 .2/.27/29 2(;0/223 ?(25 (3 5(M 01:.5' 1./:37/2)' 51?2 .(/(50 50(H5 1% @7.' 7)' (3 /02 07.81:.' 1%' 07. 25/1Q?' 739 7441.9(3;)' :392.' /02 H.1/24/(13 1%' /02(.';:35 /02 %:;(/(Q25 @2.2 2378 29 /1' 4.155 07. 25 (Q2.' 739 /1' .2740 15/13 @(/01:/ %:./02.' ?1 25/7/(13' /1;2/02.' /02 155 /1' /02 .(/(50 @75 255 H2.07H5 /073 ?(;0/ 07Q2 8223 73/(4(H7/29' /7?1:3/29' (3 >(29' @1:3929' 739 ?(55(3;' /1' /@1' 0:39.29 739 52Q23/)R /0.22' 02 155 /1' /02 ?2.(4735 @75 2(;0/)R2(;0/F

:40 @75 /02 9(575/.1:5 .25:/ 1%R 232.7' 7;2=5 (R 79Q(529 2MH29(/(13 /1' 1341.9' D023 /02 5:3 079 .(523 13 /02 ?1.3(3;' 1%/02 !,/0 1% H.(' /02.2 079 H.1878)' 31/ 8223 07%' 7 91623 H2.5135 (3 755740:52//5 @01 079 73/(J 4(H7/29 /07/'82%1.2 3(;0/R/(?2 7 5(3;2 015/(2 501/ @1: 9 82 %(.29' /3113 13 /07/ 97)' 7 5H 239(9 92/740?23/ 1%' .(/(50 /.11H5 079 ?7.4029 ;7()' 1:/ 1% 15/13X /02(.' 8739 5/.((?;' :H /02 /:32 1%N 73>22 119 2 0%' 739 /02 1G (42.5 8175/(3;

F N 02 /.11H5 31/ 82(3;' 782 /1' 5/739 (/ 0 @.(/25 73 ?2.(473 2)2R@(/3255' N@2.2 18(;29 /1' 413/(3:2 /02 .2/.27/' @0(40 /02)' 9(9 @(/0 /02 8.702.)' 8241?(3;

.(/(50 51 9(2.5 ORRRRRRN' 5/119 :H13 /02?0(5(3 /1@3 739 57@' /02 23;7;2?23/ Q1() H 7(3' @0(40 @75 Q2.)' 8 119)' %1.' 52Q23 01:.5X 739 (/ (5 413G24/:.29 /07/ 132 07 % 1% /02 51 9(2.5 7/ 275/ 7.2 >(29 0 &4)' &)' +' Q1(' ((' 41' L#*' N D2 41:9 522 /02 % 75025 0 @.(/25 731/02.' 2)2R@(/3255' N 739 027.' /02 .2H1./5 1% /02 ;(?5 %1.' 01:.5X /02 @7.?25/ %(.2 82(3;' 781:/ /@1' ?(25 %.1?' /02 /1?(' @02.2 13)' @7/2.' H7./29:5 0 '5 # 41' L#!

]' N 02 .(;792:392.' 1.9 -2.4) 0 @.(/25 /02 2Q' D((7?' 1.913 1% 1M8:.)' N ?7.4029 1:/ H 7)(3;' 8)' @7)' 1% 413/2?H/' ^ 73>22 119 2 = (2)' @2.2 7%/2.@7.95 /1 9 /07/ /02)' 079 8223 ?792 /1' 97342 /1' (/ 0 &)I) ' &)' +

(' ! " ' ' ' ' ,$

/07/ 7/ /02' ?2.2' 5(;0/ 1% /02' .2379(2.5= 47H5 /02' N .282 50 @1: 9' /7>2' /1' /02(.' 022 5' 2/' 82%1.2' / (2' 2Q23(3;R;:3' 079' 8223' %(.29' 31/ 13)' @2.2' /0152' ;7 73/ ?23' /1' 82' 5223' % 14 93;' 874>' /1' /02(.' I:7./2.5' G7929' 739' %11/R51.2' 8:/ %.1?' /07/ /(?2' /02)' %1:39' /02?52 Q25' H.(5132.5' (3' 15/13' 7;2' (3' 1.92.' /1' H.2Q23/ 0(5' /.11H5 82(3;' 9.(Q23' (3/1' /02' 527' 079' 31@' 31' 1H/(13 8:/ /1' %1./(%)' /02' H 742' 75' 2MH29(/(1:5)' 75' H155(8 2

0:5' ?7)' 82' 57(9' /1' 07Q2' 41?? 23429' /02' ;.27/ ?2.(473' @7.' 1% 392H2392342† 0:5' 7 51' @75' %: %(29' 7' .2?7(8 78 2' H.29(4/(13' 920Q2.29' 8)' /02' 7.I:(5' 92' Z[13/47 ?' H.2Q(1:5)' /1' 0(5' 2341:3/2.(3;' D1%2' 13' /02' 2(;0/5' 1% 8.707?† N %' D1%2' 827/5' ?20' 02' @(=1/2' N .7342' 075' 15/ ?2.(47' ://2.)' 32=5' 13)' 41351 7/(13' (5' /07/' (3' /23')27.5' %7./02.' ?2.(47' @(' 82' (3' .2Q1 /' 7;7(35/ 3; 739 0' =

N' ^ 02' 40(9' /07/' (5' (301.3' 507 ' .:1' 02' ' 1% /07/' 97) M' 0

@75' D7H1 2=5' H12/(4' 8:/ 31/ 255' 7H/' H.29(4/(13' 13' 027.(3;' /02' 32@5' D7H1 2' (3' %74/' @(/0' 7' 0(5' %.(Q1 (/)' 41342(Q29' 7' QW.)' @(52' 739' H.254(23/ Q(2@' 1% /02' 41352I:23425 1% .27/ .(/7(3' ;1(3;' /1' @7.' Q(/0' 02.' 1 13(25' N -.1878)' 0' 02' @.(/25' 13' /02' $/0' 1% 2H/2?82.' N /02' @7.' @(' 82' 13;' 3' /02' 5(92' 1% 3; 739' (/ ?:5/' 82' 7//23929' (Q(/0' .:(3' % 3; 739' KH.2Q7(5' 3; (50' 739' ?2.(473' 082./)' (5' 7/' 73' 239' %' /02' 1 13(25' H.2Q7(' 1:.' 41??2.42' (5' ;132' 39' (%' 7/' 75/' @2' 32;1/(7/2' /02)' @' 32(/02.' %1.;(Q2' 31.' ;(Q2' :5' 1:.' %1.?2.' 79Q73/7;25 0' <' N 02)' 0' s/02' ?2.(4735Z' 413/(3:25' D7H1 2' N 1H23)' /7 >' 1% 1:.' /).733)' 739' %1)' @(/0' 01..1.' 739' 413/2?H/' 739' H2.07H5' @(/0' 7?762?23/X' 739' 51' 9125' 2Q2.)' %1.2(;3' (3(5/2.' 02.2B' 75' @2' 75' .2340J ?73 0' /

F' 7.)2=5' (5/' 1% .292.(4>' /02' .27/' Q1' Q' H' W$
]' D7H1 2=5' 2//2.5' Q1' Q(' HH' +V*' +V!' 9' !"V$' D7H1 2' (/' (5' 2MH29(23/ /1' ?23/(13' @75' 7/ /0(5' /(?2 7/ -7.(5
' '

02 H21H 2 1% 755740:52//5 07Q(3;1342 9.7@3 /02 5@1.9 92/2.?(329 /1 /0.1@ 7@7) /02 547887.9 02 13J ;.255 1% /02 H.1Q(342 31/ 13) Q1/29 /07/ 232.7 7;2 8) 0(5 4139:4/ 079 .2392.29 0(?52 % 31 13;2./23/(/ 29 /1 /02(. 1829(2342 8:/ 7 51 :373(?1:5) H75529 7 H.1H15(/(13 %1. .7(5(3;7 2@ 3;739 .?) 1% /0(./) /01:5739 ?23 1% @0(40 3:?82./ /02) ;:7.73/229 /1 %:.3(50 75 /02(. 1@3 H.1H1./(13 /0(./223 /01:5739 5(M 0:39.29 D(/0(3 73 (34.29(8) 501./ 5H742 1% /(?2 15/13 @75 (3Q25/29 8) /@23/) /01:5739 7.?29 ?23 02 .(/(50 1%%(42.5 079 /02 ?1./(%(47/(13 /1 %(39 /02?52 Q25 411H29 :H (3 73 (;31?(3(1:5 413%(32?23/ %27./ 1% /02 ?2.(473 ?7.>5?23 >22H(3;/02?) @(/0(3 /02(. I:7./2.5

3 /02 ?273 /(?2 Q2.) 2M7;;2.7/29 7441:3/5 1% /02 :307HH) 41 (5(135 7/ 2M(3;/13 739 1341.9 079 ;.79:7) 5H.279 01..1./ 739 4135/2.37/(13 1Q2./ /02 ?2.(473 13/(J 323/ .1?/ /02 01:./ /07/ /02 /(9(3;5 1% /0152 2Q23/5 @23/ %1./0 /02 7:/01.(/) 1% .27/ .(/7(3 1Q2./ 02./ 41 13(25 8247?2 Q(./:7) 7/ 73 239 ?2.(47 (/ @75 2Q(923/ ?:5/ 31@ 924 7.2 739 91 87// 2 %1. 02./ (392H2392342 N D(/0 132 (?H:52 0 @.(/25 /02 ?2.(473 0(5/1.(73 N/02 1 13(25 5H.73;/1 7.?5 D(/0 132 5H(.(/ /02) H 29;29 /02?52 Q25 /1 2740 1/02./1 82 .279) %1./02 2M/.2?2 2Q23/ D(/0 132 027./ /02 13/(323/ 4.(29 ^ (82./) 1./ 27/0 ± 0 F

:40 413/(3:29 /1 82 /02 5/7/2 1% H:8 (4 %22 (3;/(3 ?2.(47 @023 13 /02 !*/0 1% 7 R /02 13/(323/7 13;.255 ?2/ %1./02 524139 /(?2 7/ -0(792 H0(7 N/02 (/) 0 75 (/5 (3078(/73/5

F 734.1%/B5 (5/ 1% /02 3(/29 /7/25 Q1 Q((H L!+ 02 %1 1@(3;732491/2 @0(40 7HH27.29 (/02 N -433)5 Q73(7 -74>2/0 :31 !+/0 !$$V 7%%1.95 5/.(>(3;2Q(J 92342 (%(/5%74/5 82 41..24/1 1% /02 2?8(//2.29 5/7/2 1%H:8 (4 %22 (3;/(3 ?2.(47 7/ /0(5 /(?2 X< N ;23/2?73 @01 /.7Q2 29 7/2)/0.1:;0 13324/(4:/ (3%1.?5 :5 /07/ 02 ?1/ @(/0 73 1 9 ;23/2@1?73 @01 /1 9 0(?/07/ 502 079 %(//29 1:/ 739 523/ %(QZ 5135 739 2 2Q23 ;.7395135 /1 15/13 @023 502 027.9 1% /02 23;7;2?23/ 82/@223 /02 -.1J Q(34(7 5 739 2;:7.5 02 ;23/2?73 75>29 02.(% 502 9(9 31/ 5029 7 /27./7/ H7./(3; @(/0 /02?c ^ 1 ± 57(9 502 ^ 32Q2.H7./29 @(/0 /02?@(/0 ?1.2 H 275:.2 =< ^ :/ 5:HH152 ± 57(9 /02 ;23/2?73 ^/02) 079 7 8223 >(29 c=< ^ 079 .7/02. ± 57(9 /02 318 2 ?7/.13 ^/0(5 079 8223 /02 4752 /073 /07/ + 1% /02?079 41?2 874> 7 41@7.9 ± 0 < 9 ,) &4) Q1 (H R$!

7%%24/(137/2)' 47 29' (/' N' 1%' .1/02.)' 1Q2 0' 02.2' 7?13;' (/5' 401523' 92 2;7/25' 57/' /02' (:5/.(1:5' .73> (3' 8:.3(3;' @(/0' (39(;37/(13' 7;7(35/' /02' (3(5/2.5' 1%' .27/' .(/7(3' 739' 27;2.' /1' 413Q2./' /1' /02' 8232%(/' 1%' /02' 2@' D1. 9' /02' (3/(J ?7/2' >31@ 29;2' @0(40' 02' 079' 74I:(.29' 1%' /02' 7%%7(.5' /02' %22 (3;5' 739' (3/.(;:25' 1%' /02' 9' 02.2' /11' @2.2' 7552?J 8 29' /02' 31' 2B55' (:5/.(1:5' D750(3;/13' 739' -7/.(4>' 23.)' 7?:2' 739' 103' 97?5' 739' (407.9' 23.)' 22' y(/0' ;.27/' H.1?H/(/:92' 13;.255' H75529' .251 :/(135' %1.' .7(5(3;' 7' 413/(323/7' 7.?)X' %1.' /02' (55:2' 1%' 7' H7H2.' 4:..234)X' %1.' 5/1HH(3;B' /02' 5:HH)' 1%' H.1Q(5(135' /1' /02' .(/(50' Q2552 5' 2?H 1)29' (3' /02' %(502.(25' 1%%' 2:98:39 739' 739' H.2Q23/(3;' 3242557.(25' 82(3;' 523/' /1' /02' .(/(50' .?)' 739' 7Q)' 0252' ?275:.25' @2.2' 31/' 13)' 81 9)' Q1/29' 8:/' @2.2' 31' 255' .251 :/2)' 47..(29' 1:/')' /02' ?(99 2' 1%' H.(' (/' @75' 47 4:7/29' /07/' 82/@223' 1Q7' 41/(7' 739' 21.;(7' 31' 255' /073' 132' 0:39.29' /01:5739' ?23' @2.2' (3' 97( )' ?(0/7.)' /.7(3J (3;' 2M4 :5(Q2' 1%' /02' /@23/)' /01:5739' ?((/(7?23' 2?H 1)29' (3' /02' 8 14>792' 1%' 15/13 F

13;.255' @75' 5/(' 5(//?;' 739' 15/13' @75' 5/(' (3Q25/29' 8)' /02' -.1Q(34(7 (5/5' @023' 7.;2' ?(0/7.)' .2(3%1.42?23/5' :392.' /02' 41??739' 1%' 232.7 5' 1@2' :.;1)32' 739' (3/13' .274029' /07/' 4(/)' 02' %1.42' :392.' 7;2' 31@' 7?1:3/29' /1' R/23' /01:5739' ?23' 7' %1.42' @0(40' 874>29' 75' (/' @75' 8)' 7' H1@2(%:' 5I:79.13' 1%' 50(H5' /07/' % 17/29' 925H1/(47)' (3' /02' 07.81:.' 1%' 15/13' 522?29' /1' .2392.' 7;2' 7/' 275/' 2I:7' (%' 31/' 5:H2.(1.' (3' 5/.23;/0' /1' /02' -.1Q(34(7 (5/5' D0(2' /02' 7//2.' /023' @2.2' 5/(' 07 %R9(54(H (329< @0(2' (3' /02' @01 2' ?2.(473' 47?H' /02.2' @2.2' 31/' 3(32' 47./.(9;25' /1' 7' ?73 %' 739' @0(2' /02(.' (32' @75' @27>2329' 8)' 82(3;' 2M/23929' 1Q2.' 73' 7.27' 1%' 31' %2@2.' /073' /23' ?(25< 31@' @75' (3' /02' 1H(3(13' 1%' /02' ?15/' 41?H2/23/' G:9;25' /02' /(?2' %1.' 7;2' /1' 5/.(>2' 7' 8 1@' @(/0' 5:.2' 739' /2..(8 2' 2%%24/' :/' @02/02.' %.1?' 7

F' 14>(3; (7?' -7H2.5' Q1 ' ((' H' +$"
]' H7.>5-5' (%2' 739' D./(' ;5' 1%' D750(3;/13' Q1 ' (' H R!S#

9.279' 1%' (34:..(3;' .25H135(8((/)' 1.' %.1?' @73/' 1%' Q(;1:.' 739'G:9;?23/'/82'@2 R(3/23/(1329' 1Q2.31.'413/23/29'0(?J 52 %' @(/0' H.14 7(?(3;' ?7./(7' 7@' (3' /82' -.1Q(342' @(/0' H:8(5((3;' H:3)' H.1?(525' 1%' H7.913' /1' /0152' @01' 501:9' 7)' 91@3'/02(.' 7.?5' 739'5/2.(2'/0.27/5' 1%' 4139(;3' H:3(50J ?23/'/1'/0152'@01'?(;0/'.2G24/'/02'H.1%%2.29' 4 2?234)' (5'7.?)'(3'%74/'@75'%1.'/02'/(?2'?1.2'/073':52 255' N' 07Q2'027.9'1%'50(H5 0'57(9' :.>2' N8:/'32Q2.'1%'7.?(25' 524:.(3;'7'H1./0'F' 02'13)'H2.5135'2M42H/29'%.1?'H7.913' @2.2'/02'42 28.7/29' 103' 73414>'739' 7?:2' 97?5' @0152' 1(%23425' @2.2' 924 7.29'/1'82'N1%'/11'%7;(/(1:5'7' 37/:.2'0'/1'79?(/'1%'4135(92.7/(13 G÷ N'D 023 0R@.(/25'D 7 J H1 2'/1' 7513' N 9(9')1:' 2Q2.' .279' 82%1.2' 1%'7' 825(2;29' 7.?)' /0.27/23(3;' ?((/7.)' 2M24:/(13' 13' /02' 41:3/.)' 1%' /02' 825(2;2.5c0'G' 1' (//2' 9(9' /02' ?2.(4735' .2;7.9' /02' 2M42H/(13' /07/' /02' 423/.7' 13/(323/7' 13;.255' 2 24/29' 73414>'/1'82'/02(.'-.25(923/Xe'7/'/02'57?2'/(?2'?7>(3;' /02(.'?2?1.78 2'52 24/(13'1%' 21.;2'D750(3;/13'/1'41??739' /02(.'7.?(25

3'799(/(13'/1' 232.7' 7;2=5' .2?(553255'(3'7//74>(3;'/02' ?2.(473'7.?)'02'@75';:(/)'1%731/02.'1?(55(13'7HH7.23/)' 2Q23' 255' 92%235(8 2'/073'/02'1/02.' HH15(/2'/1' 15/13' 9(Q(929'%.1?'/07/'4(/)'8)'/02'.(Q2.' 07. 25P' 5/7395'/02'/1@3' 1.'5:8:.8' 1%' 07. 25/1@3'7/'/02B.27.'1%'@0(40'.(525'51?2' 0(;0';.1:39'/02'144:H7/(13'1%'@((40'@75'%1.'18Q(1:5'.27J 5135'1%'31' 255' 41352I:2342'/1'/02'(35:.;23/5'/073'/1'/02' .(/(50' 7;2'01@2Q2.'@07/2Q2.'2M4:52'/02.2'?7)'07Q2' 8223'%1.'0(?'079'1?(//29'/1'%1./(%)'/0(5'(?H1./73/'H15/\' 739'(3'/02'?273'/(?2'/02' ?2.(4735'079'7(9'7'H 73'/1';2/'(/

F' D 7 H1 2=5' 2//2.5'Q1 'Q('H' !#*
]' ?2.(473' .40(Q25'Q1 '((' 41 ' 0AO# 1:./0' 2.(25'
/' D 7 H1 2=5' 2//2.5'Q1 'Q('H' +L"' 9' !"V$
e' 103' 73414>' ' @75' 81.3' 781:/'/02')27.' !L' 5' -.25(923/'1%' /02' 13/(323/7' 13;.255' (3'!$$#'02'5(;329'/02'%7?1:5' 24 7./(13'1%' 392H2392342' 2'9(29' 1Q2.31.'1%' 755740:52//5'"' 4/182.'!$,L'7/'/02'7;2'1%'(%/)R5(M
' N'/'(5'57(9'/07/' 232.7' 7;2'@75'.2H27/29)'79Q(529'/1'144:H)'739'%1./(%)'/0(5' 41??739(3;'H15/0' + 4 .'I ' ' '&4) ' - 'Q1 '('H' !+V' #

(3/1' / (2(.' H155255(13 ' 7' H 73' @0(40' /02)' H.1422929' /1' 2M24 : /2' 75' %1 1@5 ' 81 : /' ! !' 1=4 14>' 13' /02' 3(;0/' 1%' /02' !#/0' 1%' :32 ' 7' 92/740 ? 23/' 1%' 781 : /' 7' /01 : 5739' ? 23 ' @01' 079' H.2Q(1 : 5)' G1(329' 51 2 ? 3)' /1;2/02.' (3' H.7)2. ' 75423929' 5(23/)' 739' 5/27 /0( )' 7' H7./' 1%' /02' 02(;0/5' >31@3' 75' :3>2.=5' (' 5(/ : 7/29' @(/0(3' 473313R.73;2' 1%' 15/13 ' 739' 41 ? ? 739(3;' 7' Q(2@' 1%' 2Q2.)' H7./' 1%' /02' /1@3 ' 0(5' 8.(;792' @75' 41 ? H1529' 40(2%)' 1%' 0 : 58739 ? 23 ' @01' @1.2' 31' :3(%1. ? ' 739' @01' @2.2' 7. ? 29' @(/0' %1@9(3;RH(2425' 13)' :32 I : (HH29' @(/0' 87)132/5 ' 02' H2.513' 52 24/29' /1' 41 ? ? 739' /02 ?' 13' /0(5' 97.(3;' 52.Q(42' @75' PPR' 1%' /02' 1.95' 1%' /02' 51(' 1%' 755740 : 52//5 ' D((7 ?' -.2541//' 1%' -2HH2.2 ' /02' 1 132 ' 1%' 7' (99 252M' .2;(? 23/' 1%' ?((/(7' N 1.' ?)52 % 0' 02' 57(9' /1' 0(5' ? 23 ' N ' 7 ?' .2J 51 Q29' 32Q2.' /1' 82' /7>23' 7 (Q2 0' -.242929' 8)' /@1' 52(G273/5 ' 027.(3;' 97.>' 73/2.35 ' 739' 7441 ? H73(29' 8)' 0(5' %.(2395' 1 132 ' ..(9 2)' 739' :9;2' D(3/0.1H ' /02' ;7 73/' -.2541// ' 9(5/(3J ;:(5029' 8)' 0(5' /7 ' 739' 41 ? ? 739(3;' %(;:.2' /01 : ;0' 5(? H)' 7//(.29' (3' 0(5' 1.9(37.)' 47 (41' %.14>' 47 ?)' 739' .251 : /2)' 29' /02' @7)' /1' /02' 02(;0/5' 0152' @01' %1 1@29' 0(?' @2.2' 31/' : 3@1./0)' 1%' /02(.' 2792.' 02)' @2.2' 31/' /02' .2% : 52' 1%' /02' ;7 2)5' 5 : 40' 75' 079' 8223' /02' ? 23' @01' 079' @13' %1.' : H 2(M' /02' 51Q2.2(;3/)' 1%' /02' 7.37/(4' 31.' @2.2' /02)' /02' 5@22H(3;5' 1%' /02' 5/2@5' 739' H1/01 : 525' 1%' D 25/ ? (35/2.' 739' 1 : /0@7.>' 5 : 40' 75' 079' 755(5/29' (Q2' /1' @(3' 0(5' ? 7;3(%(423/' Q(4/1.)' 7/' - 7552)' 02' ? 23' @01' %1 1@29' D((7 ?' -.2541//' /1' :3>2.=5' ' @2.2' 7' 5/7(9' 739' /01 : ;0/% : ' H27573/.) < P(R9(54(H0329' 739' (R7(? 29 ' (/' (5' /.:2 < 8 : /' ? 73)' 1%' /02 ? ' %.1 ?' /02(.' 078(/5' 1%' (%2' 739' %.1 ?' %.2 I : 23/' 2341 : 3/2.5' @(/0' 39(735' 07Q(3;' /02' 79Q73/7;2' 1%' 82(3;' 2M42 23/' ? 7.>5J ? 23' @(/0' /02' .(% 2' 1.21Q2.' (%' /02' .(/(50' 3%73/.)' @75' H.2H7.29' /1' %(;0/' /1' /02' 75/' %1.' /02' 4.29(/' 1%' (/5' (? ? 2 ? 1.(7 ' .2H : /7/(13' %1.' 5/279(3255' 739' Q7 1 : .' /02' ? 23' 1%' 7557J 40 : 52//5' @P2.2' 73(? 7/29' 8)' /02' 5/(' ? 1.2' 7.923/' %22 (3;' /07/' : H13' /02(.' 5/279%75/3255' 739' 8.7Q2.)' 92H23929 ' (3' 7 ' H.187J 8((/) ' /02' %.2291 ?' 1.' 5 : 8G : ;7/(13' 1%' /02(.' 41 : 3/.) ' 2Q2.7

1% /02(.' 1%%(42.5 @2.2 Q2/2.735 1% /02 1 9 @7.5 @(/0 /02 .2340 (3 ?2.(47' -.2541/ 079 755(5/29 7/ /02 413I:25/ 1% 1Q7 41/(7' 5(=72' -:/37?' 079 @13 %1.' 0(?52 % 7 8.((73/.2H:/7/(13 %1.'40(Q7 .1:5 ;7 73/.)' (407.9 .(9 2)' /1 @01?' @75 7 1//29 /02 9:/)' 1% %1.?(3;' /02 (3/.2340?23/5' 079 8223 /02 23;(322.' 2?H 1)29 7/ /02 .29:4/(13 1% 1:(5R 8:.;' (3 !$SV' 739' 75/)' 81/0 02 739 103 /7.>' 731/02.' (3/.2H(9 51 9(2.' 1% /02 1 9 @7.5' 079 9(5/(3;:(5029 /02?52 Q25 %(;0/(3;' :392.' /02 87332.' 1% D1 %2 7/ A:2824 R

/ @75 07 %RH75/ 2 2Q23 1=4 14>' 82%1.2 /02 23;(322.5 41?J ?23429 9.7@(3;' /02 (325 1% 7 .291:8/' 5 /02 %(.5/ 519 @75 82(3;' :H/:.329' /02 4 14>5 1% 15/13 5/.:4>' /@2 Q2' 1.2 /073 1342 9:.(3;' /02 3(;0/< @0(40 07HH2329 /1' 82 7 827:/(%:)' 47 ?' 739 5/7..)' 132< 1 132' -.2541/ 925423929 /1' /02 501.2' @02.2 /02 51:39 1% /02 .(/(50 523/.(25 @7 >(3;' /02(.' .1:395' 739 /02(.' 2M4 7?7/(135 1% N =5 @2 'O 75 /02)P .2 (2Q29 ;:7.9' 413/(3:29 /1' 57/(5%)' 0(?' /07/ /02)' 23/2./7(329 31' 5:5H(4(13 1% @07/ @75 H755(3;' 781Q2 /02(.' 02795' 2%1.2 97)8.27>' /02 ?2.(4735 079 /0.1@3 :H 73 (3/.2340?23/' @0(40 2M/23929 %.1?' /02)5/(4 (Q2.' /1' 7 .291:8/ 13 /02(.' 2%/' 02 75/13(50?23/ 1% 7;2 @023' 13 /02 %1 1@?;' ?1.3(3;' 02 %1:39 /0(5 (?H1((73/ 5(/2 (3 /02 07395 1% /02 232?)' ?7)' 82 .279( )' 41342(Q29' 8Q(1:5)' 31/ 7 ?1?23/ @75 /1' 82 15/ (3 7//2?H/(3;' /1' 9(5 19;2 /02?' 739 7441.9J (3;)' 7 92/740?23/ :392.' 232.7' 1@2 @75 7/ 1342 1.92.29 13 /0(5 4.(/(47' 52.Q(42' 3 /02 ?273 /(?2' 7 027Q)' 473313792< %(.5/ 1% 7 ' %.1?' /02 N (Q2)O 5 11H 1% @7.' 739 7%/2.@7.95 %.1?' 7 87//2.)' 1% 027Q)' ;:35 %.1?' 1HH=5 ('(3 15/13< @75 1H2329 :H13 /02 ?2.(4735' MH1529' 01@2Q2.' 75 /02)' @2.2' /1' 7 5/13?' 1% 501/ 739 502 ' 739 :3744:5/1?29' 75 /02)' 7 51 @2.2' /1' %742 73 232?)=5 %(.2' /02)' 32Q2./02 255 H:.5:29 /02(.' 1H2.7/(135 @(/0 /02 47 ?' 41:.7;2 1% Q2/2.73 51 9(2.5' 7/2.' (3 /02 97)' (39229' @023 /02 541.40(3;' 5:3 .152 0(;0 (3 /02 4 1:9 255 027Q235<' @023 /02 413/(3:1:5 781:.5 1% 51 ?73)' 01:.5 /0.27/2329

/1' H.15/.7/2'/ (2? < 739' @023'/02)' @7(/29'0:/' @7(/29' (3'Q7(3 '%1.' H.1Q(5(135' 739' .2%(B250?23/5 < P/0Z 027./5' 1%' 7' %2@' 82;73' /1' %7(' /02?' 739' /02' @1.9' .2/.27/' @75' 5:%%2.29' /1' 2547H2' %.1?'/02(.' (H5' 02.2' @75' 7?13;'/02?' 01@2Q2.' 7' ?75/2.J 5H(./' @0152' 4022.(3;' @1.95' 739' 40(Q7 .1:5' 2M7?H 2' 32Q2.' %7(29' /1' .25/1.2' 413%(92342' 3' /02' 5H1/< @02.2' 31@' 7' 1%/)' 41:?3' 1Q2.11>(3;' /02' %7(.' 739547H2' 739' 47 ?' @7/2.5' 41??2?1.7/25' /02' 2Q23/5' 1%' /07/' ?1?23/1:5' 97) <' @75' /023' /1' 02' 5223' 4135H(4:1:5' 781Q2' /02' .25/' /02' %1.?' 1%' -.2541//' 1%' -2HH2.2' (3' 0(5' 47 (41' %.14>' 75' 02' H7429' /02' H7.7H2/' /1' 739' %.1' (35/((3;' .251 :/(13' (3/1' 0(5' %1 1@2.5' 8)' /02' 413/2?H/' @0(40' 02' ?73(%25/29' %1.' 973;2.' 739' 7?(95/' /02' 01//25/' 1%'/02' .(//(50' %(.2' 92 (Q2.0(;'0(5' 1.92.5' @(/0' /02' 57?2' 52.23(/)' 75' (%' 02' 079' 8223' 13' H7.792' N' D 01' (5' /07/' H2.513'c'0' 23I:((=29' 1Q2.31.' 7;2' 1%' 7' 755740:52//5';23J /2?73' 75' /02)' 5/119' .241331(/2.(3;' /02' ?2.(473' @1.>5' %.1?' /02' 1G'H15(/2' 5(92' 1%' /02' .(Q2.' 07.25' N')' 8.1/02.R' (3R 7@' 1 132' -.2541//@75'/ ' .2H)' N' D(' 02' %(;0/c0' 75>29' 7;2' N) 0' 57(9' /02' 1/02.' N/1' /02' 75/' 9.1H' 1%' 0(5' 8 119 0

2M/' 7%/2.' -.2541//' /02' H2.513' ?15/' 74/(Q2' (3' 2341:.7;(3;' /02' -.1Q(34(7 (5/5' 739' (3' ;(Q(3;'1.92.5' @75'/02' ;7 73/'Q2/2.73' 5.72' -:/37?' 2' @75'/0:5'2?H 1)29' @023'7' 510/7.)'01.52J ?73' .192':H' /1' 0(?' 7/' %:' ';7 1H' /' @75'/02')1:/0%:' 739' ?29(/7/(Q2' -.25(923/' 1%'/02' 755740:52//5' 13;.255' 152H0' D7..23' @01' 31/@(/05/739(3;' 02' 079' H7552 9' /02R3(;0/' (3' /.73574/(3;'8:5(3255' 739' @75' 5:%%2.(3;' 52Q2.2)' %.1?' 0279J 7402' @75' 31' 51132.' (3%1.?29' /07/' /02' .(//(50'/.11H5' @2.2' H.2H7.(3;'/1' ?7.40' 1:/' 1%' 15/13' /073' 02' 0:..(29' 1%%' /1' /02' 54232' 1%' /02' 2MH24/29' 413%(4/' -:/37?' 7/' 1342' 1%%2.29' /1' .25(;3' 0(5' 41??739' /1' 0(?' /1' @0(40' /02' 1/02.' ?792' .2H)' /07/' 02' 079' ?2.2)' 41?2' /1' /02' ;.1:39' 75' 7' Q1:3/22.X' 7/' /02' 57?2' /(?2' 23I:(.(3;' @02.2' 0(5' ?:5>2/' @75' (>2)' /1' 82' 1%' ?15/' 52.Q(42' 7;7(35/' /02' .(/(50' N 1' /1' /02' .291:8/0' 57(9' -:/37?X' N)1:' @(' /02.2' 82' 41Q2.29 0 < N

47?2‘ 31f /1‘ 82‘ 41Q2.29 0‘ .2H (29‘ D7..23X N‘/2 ‘ ?2‘ @ (2.2‘ ‘587 ‘ 82‘ ?15f (3‘ 973;2.‘ 2 ‘ ?2‘ @02.2‘ /02‘ 74/(13‘ @(‘ 82‘01//25/0< N‘ 02‘ .291:8/0‘ 57(9P‘ :/37(3R N‘@(‘ 82‘ /02‘ 232?)=5‘ 18G24/‘ %‘ /07f 473‘ 82‘ 92%23929‘ /02‘ 97)‘(5‘ 1:.50‘ D7..23‘ (f (5‘ 3229 255‘ /1‘ 57)‘ 075/2329‘/1‘ /02‘ .291:8/=

f @75‘ H75f /0.22‘ 1=4 14>‘ (3‘ /02‘ 7%/2.3113‘ @023‘ 232.7‘ 1@2=5‘ 92/740?23/‘ 4135(5/(3;‘ 1% 781:f /@1‘ /01:5739‘ ?23 BG^ 73929‘ 7f 07. 25/1@3‘ 739‘ %1.?29‘ %1.‘ /02‘ 7//74>‘ -.2541//=5‘ (35/.:4/(135‘ /1‘ 0(5‘ ?23‘ 75‘ /02‘ .(/(50‘ 7HH.174029‘ @2.2‘ 5:%%(4(23/)‘ 8.(2%‘ N 02‘ .29417/50‘ 02‘ 57(9‘ N@(‘ 32Q2.‘ (2740‘ /02‘ .291:8f (%‘)1:‘ @(%f 8:f @(/001 9‘)1:.‘ %(.2‘ /(‘ ‘ ;(Q2‘/02‘ 1.92.‘ 739‘82‘47.2%:‘ 31f /1‘ 5011f 1Q2.‘/02(.‘ 02795 0‘ 3‘ /02‘ ?273@0(2‘ 754239(3;‘ /02‘ 0(‘ :392.‘ /02‘ H.1/24/(13‘ 1% 7‘ 027Q)‘ 473313792‘ /02‘ .(/(50‘ 3%73/.)‘ 079‘ 79Q73429‘ :3?1 25/29‘ /1‘ @(/0(3‘ 7‘ %2@‘)7.95‘ 1%‘/02‘ 232?)=5‘ @1.>5‘ @023‘ -.2541/f ;7Q2‘ /02‘ @1.9< N (.2 0‘ 1‘ H.1?H/)‘ 739 2%%24/:7)‘ @2.2‘ 0(5‘ 1.92.5‘ 182)29‘ /07f 327.)‘ /02‘ @01 2‘ %.13f .73>‘ 1% /02‘ .(/(50‘ 1 2)‘ 7%/2.‘ Q1 2)‘ @75‘ 31@‘ 1H2329‘ :H13‘ /02?‘ %.1 P82(0(9‘ /02‘ (3/.2340?23/5‘ /(‘ 7f 23;0‘ 2Q23‘ /02‘ 8.7Q25% 8(PP /1‘ @7Q2.‘ 739‘ %7‘ 874>X 51?2‘ 1% /02?‘ (3‘ 5H(/2‘ 1% /02‘ /0.27/5‘ 739‘ H755(137/2‘ 23/.27/(25‘ 1% /02(.‘ 1%%(42.5‘ 2Q23‘ .2/.27/(3;‘ /1‘ /02‘ 817/5‘ (3:/25‘ ?73)‘ ?(3:/25‘ 7HH7.23/)‘ 2 7H529‘ 82%1.2‘ /02‘ .(/(50‘ /.11H5‘ @2.2‘ .7 29‘ 739‘ .2/:.329‘ /1‘ /02‘ 7//74>‘ MH1529‘ /1‘ /02‘ 8:.3J (3;‘ .7)5‘ 1% /02‘ 5:3‘ <‘234:?82.29‘ @(/0‘ 027Q)‘ >37H574>5

F‘ Q2.2//=5‘ (%2‘ 1%‘ 152HO‘ D7..23‘ 739‘ -27819)=5‘ (%2‘ 1%‘ 5.72‘ -:/37?‘ (3‘ +PP * ‘&4) ‘6 ,‘Q1 ‘M‘HH‘ !V#‘ !V$‘739‘Q1 ‘Q((‘H‘ !$L‘X %(.5/‘54.(25]‘ 0(5‘3:?82.‘@75‘5:852I:23/)‘(34.27529‘8)‘731/02.‘.2(3%1.42?23/:392.‘ 232.7‘ (3/13‘ 02‘(35:.;23/f %1.42‘ 7441.9(3;‘/1‘ /02‘ ?15f /(B:5/@1./0)‘ 1% /02(.‘ PQ.(/2.5‘ 32Q2.‘2M422929‘%1:.‘/01:5739‘ 232.7‘ 7;2‘ 13‘/02‘ 1/02.‘0739‘(3‘0(5‘925H7/40‘/1‘ /02‘ 24.2/7.)‘1% /7/2‘5/7/25‘ /07f /02‘ .(/(50‘079‘ /1‘ 413/239‘7;7(35f ^^781Q2‘/0.22‘ /(?25‘ /02(.‘1@3‘3:?82.0‘ 0 ‘7 Q ‘+V‘ :)‘ !$$#‘ %‘/0(5‘@75‘ /02‘ I751‘ /02‘ ?2.(473‘%1.42‘?:5f 07Q2‘7?1:3/29‘ /1‘ 5(M‘ /01:5739‘ ‘ .(/(50‘ 1%%(42.‘ @01‘@75‘ 23;7;29‘(3‘/02‘81// 2‘@.(/25‘01?2‘ /1‘ 0(5‘%.(2395‘/07f /02)‘@2.2‘ 1HH1529‘8)‘82/@223‘ %(Q2‘/01:5739‘739‘52Q23‘/01:5739‘?23‘ !) ‘? # ‘) ‘ ‘ ‘ , ‘< ‘ H‘ ""‘ 0(5‘01@2Q2.‘(5‘31‘91:8f 73‘2M7;;2.7/(13‘ -.1878)‘13‘32(/02.‘5(92‘@2.2‘ /02.27f 73)/(?2‘?1.2‘/073‘/:=1‘/01:5739‘74/:7)‘23;7;29X (39229‘D750(3;/13‘ 41?H:/29‘/07/‘13‘/02‘ ?2.(473‘5(92‘/02.2‘@2.2‘32Q2.‘?1.2‘/073‘132‘/01:5739‘%(Q2‘ 0:39.29

413/7(3(3;' H.1Q(5(135' %1.'R/0.22' 97)5 < 41?H2 29' /1' /1 ' :H' Q2.)' 9(579Q73/7;21:5' ;.1:39' :9/0' /02' ;M755' .2740(3;' /1' /02(.' >3225 < 4 7?82.(3;' 1Q2.' .7(5' 739' 029;25' 739' 29' 7;7(35/' ?23' @01' @2.2' %(;0/(3;B%.1?' 820(39' (3/.2340?23/5' 739' 413J 5/73/)' .242(Q(3;' .2(3%1.42?23/5' 8)' 0:39.295' %2@' 51 9(2.5' H2.07H5' 8:/' .(//(50' 3%73/.)' @1:9' 07Q2' 8223' H.2Q7(29' :H13' /1' .232@' /02' 413% (4/' ;7(3' 01@2Q2.' /02)' 79Q73429' /1' /02' 407.;2' ;7(3' @023' @(/0(3' %(Q2' 1.' 5(M' .195' 1%' /02' .291:8/' /02' 57?2' /.2?2391:5' 9(5407.;2' 1%' ?:5>2/.)' @75' 1H2329' :H13' /02?' 739' 7;7(3' (3' 5H(/2' 1%' ?73)' 02.1(4' 2M7?H 25' 1%' ;7 73/.)'52/' /02?' 8)'/02(.' 1%%(42.5' /02)' .2/.27/29' (3' /02' 57?2' 9(51.92.' 75' 82%1.2')' /0(5' /(?2' /02' .2379(2.5' 739' (;0/' 3%73/.)'079' 15/' /0.22' %1:./05' 1%/02(.' ?23X 51?2' 41?H73(25' 079' 13)' 2(;0/' 1.' 3(32' ?23' 2%/X 132' 1.' /@1' 079' 2Q23' 255' D023' /02' ?2.(4735' 11>29' %1./0' %(1?' /02(.' (3/.2340?23/5' /02' ;.1:39' @75' (/2.7)' 41Q2.29' @(/0' /02' @1:3929' 739' /02' 9279' 441.9(3;' /1' 73' ?2.(473' @01' @75' H.2523/< N 02' 9279X 7)' 75' /0(4>' 75' 5022H' (3' 7' %1 9 0' 1.' 7' %2@' 5241395' 232.7(y 1)P2' +P75' 2%/' 7?15/' 7 132' 27.)' 2Q2.)' 1%%(42.' 1%' 0(5' R5/7%% 077P8223' 2(/02.' 9 29' 1.' @1:3929' 02' ?2.(4735' @0' 07Qa' 9132' 0131:.78 2' G:5/(42' /1' 0(5' ;7 73/.)' .2?7.>29' /07/' 4135H(4:1:5' 75' 02' 5/119' (3' 0(5' 232.7 B %%(42.=5' :3(%1.?' (/' @75' 7' ?7.Q2' /07/' 02' 2547H29' :30:./' 2' .2/(.29X 8:/' (/' @75' @(/0' /02' 5/2?' .251 Q2' 1%' 7' 02.1' /1' .7)' 0(5' ?23X /1' .2/:.3' 739' /1' Q73I:(50 3' /02' ?273' /(?2' /02' 01..1.5' 1%' /0(5' 42 28.7/29' 97)' @2.2' %7.' %.1?' 82(3;' 413%(329' /1' /02' 54232' 1%' 47.37;2' 13' :3>2.=5' (' 3' 41352I:2342' 1%' 7' .7>(3;' %(.2' 07Q(3;' 8223' >2H/' :H' 13' /02' .(/(50' % 73>(3;' H7./(25' %.1?' /02' 01:525' 7/' 07.25J /1@3' 232.7' (3/13' 079' ;(Q23' 1.92.5' %1.' /02' (??29(7/2' 925/.:4/(13' 1%' /02' H 742' 0252' 1.92.5' @2.2' 2%%24/:7)' 47..(29' (3/1' 2M24:/(13' 8)' 9(5407.;25' 1%' .29R01/' 501/' %.1?' /02' 50(H5' 739' 1%' 47.475525' %.1?' 1HH=5' (' 87//2.)' /02' .25:/' 1%' @0(40' @75' /07/' 1@(3;' /1' /02' 01:525' 739' 51?2' 1%' /02' H.?4(H7' 29(%(425' 82?;' 4135/.:4/29' 1%' @119' /02.2' 8:.5/

%1./0' 7' 413% 7;.7/(13' @0(40' 41?8(329' @(/0' /02' .17.' 1%' 7./(2.)' /02' 4.750(3;' 1%' %7 (3;' 8:(9(3;5' 739' /02' 8 119)' 413% (4/' .7;(3;' 13' /02' 02(;0/5' H.2523/29' 7' 54232' 1%' (392J 54.(878 2' ;.7392:.' 739' 7@2' N' /.7(;0/' 82%1.2' :5 0' @.(/2.' 232.7' :.;1)32' @01' @(/325529' /02' 54232' %.1?' /02' 87//2.(25' N s 7)2' 7' 7.;2' 739' 318 2' /1@3' (3' 132' ;.27/' 8 762' 02' 40:.40R5/22H 25' 82(3;' /(?82.' @2.2' ;.27/' H).7?(95' 1%' %(.2' 781Q2' /02' .25/X' 820(39' :5' /02' 40:.P(R5/22H 25' 739' 02(;0/5' 1%' 1:.' 1@3' 47?H' 41Q2.29' @(/0' 5H24/7/1.5' 1%' /02' .25/' 1%' 1:.' 7.?)' @0(40' @75' 23;7;29X' /02' 0(5' .1:39' /02' 41:3/.)' 41Q2.29' @(/0' 5H24/7/1.5' /02' 232?)' 7' (3' 73M(1:5' 5:5H2352' 02' .17.' 1%' 473313' ?1./7.5' 739' ?:5>2/.)X' /02' 4.750' 1%' 40:.4025' 50(H5' :H13' /02' 5/14>5' 739' @01 2' 5/.22/5' %7 (3;' /1;2/02.' /1' %(' /02' 27.X' /02' 5/1.?' 1%' /02' .291:8/5' @(/0' /02' 18G24/5' 781Q2' 9254.(829' /1' %(' /02' 2)2' 739' /02' .2% 24/(13' /07/' H2.07H5' 7' 92%27/' @75' 7' %(37' 155' /1' /02' .(/(50' 2?H(.2' (3' ?2.(47' /1' %(' /02' ?(39X' ?792' /02' @01 2' 7' H(4/:.2' 739' 7' 41?H(47/(13' 1%' 01..1.' 739' (?H1./J 7342' 82)139' 73)/0(3;' /07/' 2Q2.' 47?2' /1' ?)' 1/' /1' 82' @(/3255' /1' /' @75' 7' 5(;0/' %1.' 7')1:3;' 51 9(2.' /07/' /02' 13;25/' 52.Q(42' ?7)' 31/' %:.3(50' 7;7(3 0' F

02' /0(.9' 739' 75/' 7//74>' ?792' 8)' 232.7' 1@2' :H13' /02' 232?)=5' (3/.2340?23/5' 7HH27.5' /1' 07Q2' /7>23' H 742' 7%/2.' 7' 4135(92.78)' 13;2.' (3/2.Q7' /073' /02' H.2Q(1:5' 132' 0(5' (3/2.Q7' @75' 2?H 1)29' 8)' -.2541//' (3' 799.255(3;' @1.95' 1%' 413%(92342' 739' 2M01./7/(13' /1' 0(5' %1 1@2.5' /1' @0(40' /02(.' 4022.5' .2/:.329' 73' 23/0:5(75/(4' .25H1352' N %' @2' 9.(Q2' /02?' 874>' 1342' ?1.2 0' 02' 57(9' N/02)' 47331/' .7)' 7;7(3 0' 232.7' 1@2' (3' /02' ?273' /(?2' 8)' 9(5234:?82.(3;' 0(5' ?23' 1%' /02(.' >37H574>5' 739' 8)' 8.(3;(3;' /02' .(/(50' ./(2.)' /1' H 7)' 51' 75' /1' .7>2' /02' (3/2.(1.' 1%' /02' ?2.(473' 8.275/J @1.>5' 079' ;.27/)' 23073429' 0(5' 4073425' 1%' 5:44255' 342' ?1.2' /023' 7/' /02' @1.9' 1%' 41??739' (3' 5/279)' :38.1>23

F' 2//2.' /1' 1.9' /73 2)' 97/29' +V' :31' !$$VX' &4 R)' &)' Q1' ((' 41' &' 1:./0' 2.(25

(32' /02' .(/(50' 3%73/.)' ?1:3/29' /1' /02' 9279)' 5/.:;;2' 342' ?1.2' /02' 4022.%:' Q1(42' 1%' -.2541//' 2M01./29' 0(5' ?23' /1' .252.Q2' /02(.' %(.2' /(' /02(.' 232?(25' @2.2' 4 152' :H13' /02?' 342' ?1.2' /02' 57?2' 9279)' %(.2' @75' H1:.29' 91@3' :H13' /02' 79Q734?;' .1)7 (5/5' ;7(3' 13' /02(.' H7./' /02.2' @75' 7' 5/7;;2.<7' H7:52<73' (39(47/(13' 1%' @7Q2.(3;' 8:/' 13' /0(5' 14475(13' (/' @75' 13)' ?1?23/7.)' 3@7.9' 739' 0279 13;' 7;7(35/' 8.275/PP.>5' 739' 7;7(35/' Q75/)' 5:H2.(1.' 3:?82.5' 975029' /02' .(/(50' 3%((3/.)'@(/0' 73' 02.1(4' 92Q1/293255' 32Q2.' 5:.H75529' (3' /02' 7337 5' 1%' 40(Q7 .)' 0315/' (3' 7' ?1?23/' 1%' /?(2' (3' 5H(/2' 1%' 7' 524139' Q1 2)' 75' 925/.:4/(Q2' 75' /02' %(.5/' /02' 9(/40' @75' 27H29' 739' /02' H7.7H2/' ?1:3/29' 3' /07/' %(37' 407.;2' %2 ' ?73)' 1%' /02' 8.7Q25/' 1%' /02' 8.7Q2' %' /02' V+39' 2;(?23/' 7 132' /0.22' 7H/7(35' /02' ?1?23/' /02)' 5/119' 13' /02' H7.7H2/' @2.2' 501/' 91(Q3' /(' /02' .(/(50' 3%73/.)' 413/(3:29' /1' H1:.' %1.@7.9' %(3;(3;' /02?52 Q25' 7?13;' /02' ?2.(473' ((/(7?23' @01' ?2/' /02?' @(/0' 7' ;7 73/.)' 2I:7' /1' /02(.' 1@3' 02' H1@92.' 1%' /02' 7//2.' 07Q(3;' 8)' /0(5' /(?2' 8241?2' 327.)' 2M07:5/29' /02)' 23927Q1:.29' /1' %1.42' 874>' /02(.' 7557(73/5' @(/0' /02' 8://R' 2395' 1%' /02(.' ?:5>2/5' :/' /02' .(/(50' 87)132/5' 473329' 7' 82%1.2' /02?' 023' (/' @75' @023' %:./02.' .25(/7342' @75' 2Q(923/)' %.:(/255' 739' 31/' /(' /023' /07/' /02' 02.1(4F' -.2541//' ;7Q2' /02' 1.92.' /1' .2/(.2' .1?' /02' 37/:.2' 1%' /02' ;.1:39' (/' @75' 3242557.()' ?1.2' 7' %(;0/' /073' 7' .2/.27/' 73)' 1%' /02' ?2.(4735' 27H(3;' 1Q2.' /02' @7 5' 1%' /02' H7.7H2/' 7//2?H/29' /1' %(;0/' /02(.' @7)' /0.1:;0' /02' .(/(50' /.11H5X' @0(2' /02' ?7G1.(/)' 23927Q1:.29' /1' 2547H2' 8)' /02' 37..1@' 23/.7342' /1' /02' .291:8/' 3' 41352I:2342' 1%' /02' %:;(/(Q25' 82(3;' /0:5' 0:99 29' /1;2/02.' /02' 5 7:;0/2.' 8247?2' /2..(%(4' N' 1/0(3;0' @.(/25' 7')1:3;' .(/(50' 1%%(42.' @01' @75' 23;7;29' (3' (02' >)' N 41:9' 82' ?1.2' 5014>(3;' /073' /02 47.37;2' /07/' %1 1@29' /02' 5/1.?(3;' 1%' /0(5' @1.>' D2' /:?8 29' 1Q2.' /02' 9279' /1' ;2/' 7/' /02' 0Q(3;' @01' @2.2' 4.1@9(3;' 1:/' 1%' /02' ;1.;2' 1%' /02' .291:8/' (3' 1.92.' /1' %1.?

:392.‘/02‘92%23425‘ @0(40‘ /02)‘079‘H.2H7.29‘/1‘ 41Q2.‘/02(.‘ .2/.27/0‘F‘ -.2541//‘@75‘132‘1%‘/02‘ 75/‘/1‘ I:(/‘/02‘54232‘ 1%‘5 7:;0/2.‘ /01:;0‘ ?1.2‘/073‘132‘ .(/(50‘87)132/‘079‘ H(2.429‘0(5‘4 1/025‘02‘2547H29‘@(/01:/‘7‘@1:39 %

255‘ %1./:37/2‘ @75‘ /02‘ 0:?732‘ /02‘ 7441?H05029‘ 739‘ 2 1I:23/‘ 152H0‘ D7..23‘ 3‘ /02‘ ?(95/‘ 1%‘/02‘ .2/.27/‘ 7‘ 87 ‘ 5/.:4>‘0(?‘ 13‘/02‘0279‘ 24073(47)‘02‘ .7(529‘0(5‘ 0739‘/1‘/02‘H7./‘@02.2‘02‘@75‘0(/‘739‘/02 P2 ‘91@3‘9279‘ 3)‘%1:.‘97)5‘H.2Q(1:5)‘02‘079‘ .242(Q29‘0(5‘41??(55(13‘ 75‘7‘ 7G1.R 232.7‘ 1‘@2‘@75‘0(5‘@1./0‘>31@3‘/1‘/02‘ .1)7(5/5‘/07/‘/02)‘7.2‘57(9‘/1‘07Q2‘41?H:/29‘0(5‘155‘75‘ 2I:7‘/1‘/07/‘1%‘%(Q2‘0:39.29‘1.9(37.)‘?23XX

31/02.‘8.7Q2‘?73‘@01‘%2‘7/‘:3>2.=5‘(‘@75‘7G1.‘ -(/47(.3‘@01‘079‘41??73929‘/02‘ .(/(50‘79Q73429‘%1.42‘(3‘ /02‘:307HH)‘7%%7(.‘7/‘2M(3;/13‘/‘/02‘/(?2‘@023‘02‘%2‘ 0(5‘513‘(2:/2373/‘-(/47(.3‘@75‘5/739(3;‘7/‘0(5‘5(92‘ (M(3;‘7‘@(5/%:‘11>‘:H13‘/02‘)1:/0‘02‘2MH(.29‘Q3/01:/ ://2.(3;‘7‘@1.9‘N)‘%7/02.‘(5‘>(29 0a7(9‘/02‘513‘75‘02‘ >322 29‘91@3‘8)‘0(?XN‘07Q2‘15/‘?)‘%7/02.0‘1.‘?1.2‘ /073‘7‘?(3:/2‘/02‘51 9(2.5‘5 74>2329‘/02(.‘%(.2‘N D 2‘07Q2‘ 7 0‘4.(29‘?73)‘1%/02?‘N‘15/‘7‘%7/02.0e

07/‘3(;0/‘/02‘.(/(50‘(3/.234029‘/02?52 Q25‘13‘/02‘ 2(;0/5‘)(3;‘91@3‘(3‘%.13/‘1%‘/02‘.2423/‘54232‘1%‘413%(4/‘ 02‘155‘(3‘>(29N739‘@1:3929‘@75‘%1:39‘/1‘82‘31‘255‘ /073‘132‘/01:5739‘739‘%(%/)R%1:.‘N‘02‘155‘5:5/7(329‘8)

F‘2//2.‘%.1?‘(2:/2373/‘739‘9G:/73/‘‘D7 2.‘1%‘/02‘1)7‘7.(325‘/1‘0(5‘ 8.1/02.‘97/29‘N‘07. 25/1@3‘2(;0/5‘:32‘++‘!$$V0‘!)‘I‘#‘)‘‘‘‘ ,‘<‘H‘"$

]‘D((7?‘-.2541/(P‘/02‘513‘1%‘7‘1:34(1.‘739‘@27/0)‘73929‘H.1H.(2/1.‘(3‘75J 5740:52//5‘@75‘01.3‘(3‘/07/‘H.1Q(342‘(3‘/02‘)27.‘!$+V‘739‘41352I:23/)‘7/‘/02‘/(?2‘ 1%‘/02‘87//2‘1%‘:3>2.=5‘(‘02‘?:5/‘07Q2‘23/2.29‘:H13‘0(5‘%(%/(2/0‘)27.‘02‘ %1 1@(3;‘)27.‘02‘7441?H73(29‘D750(3;/13‘(3‘0(5‘2MH29(/(13‘7;7(35/‘/02‘.(/(50‘ 7/‘2@‘1.>‘739‘5:852I:23/)‘52.Q29‘(3‘/02‘8.(2%47?H7(;3‘@0(40‘29‘/1‘/02‘5:.J .2392.‘/1‘/02‘?2.(473‘;232.7‘7/25‘1%‘/02‘.(/(50‘.?)‘:392.‘/02‘41??739‘ 1%‘232.7‘:.;1)32‘1132‘-.2541/‘9(29‘4/182.‘!L‘!$,V‘7/‘/02‘7;1‘1%‘ 52Q23/)

(‘1.913=5‘(5/‘1%‘/02‘?2.(473‘2Q1:/(13‘Q1‘((‘HH‘S#‘S,‘V*‘11.2=5‘ (7()‘1%‘/02‘?2.(473‘2Q1:/(13‘Q1‘(‘HH‘,"‘!!*

e‘11.2=5‘(7.)‘1%‘/02‘?2.(473‘2Q1:/(13‘Q1‘(‘H‘,,‘7:9‘#

(' L$ Z ' -' ' ' !*,

/02' 282 5 0' @.(/25' 232.7 ' 7;2 ' N' ? :5/' 07Q2' 8223' 413J
5(92.78 2 ' %.1?' /02' Q75/' 3: ?82.5' /02)' @2.2' 5223' /1' 47..)' 1%%
9:.(3;' /02' 74/(13 ' 81:/' 132' 0:39.29' @2.2' 8:.(29' /02' 97)'
7%/2. ' 739' /0(./)' %1:39' 13' /02' %(2 9 ' 51?2' 1%' @01?' 7.2' 5(342'
9279 0' (' 441.9(3;' /1' /02' 7441:3/' H:8 (5029' 8)' /02' -.1J
Q(34(7 ' 13;.255' 1%' 755740:52//5 ' /02' ?2.(473' 155' @75'
132' 0:39.29' 739' %1./)R%(Q2' >(29' 739' ?(55(3;' 739' /0.22'
0:39.29' 739' %1:.' @1:3929 P' %/02(.' 5(M' H(2425' 1%7./(2.)'
/02)' 13)' 5:4422929' (3' 47..)(3;' 1%% 132
:40' @75' /02' .25: /' 1%' /02' %7?1:5' N' 7// 2' 1%' :3>2.=5'
(0' 7' 413/25/' %.1?' @0(40' .27/' .(/7(3' 92.(Q29' (// 2'
79Q73/7;2' 82)139R/02' 4(=29(/' 1%' 07Q(3;' 740(2Q29' 7' 8.((73/'
H7557;2' 7/' 7.?5 ' 8:/' @0(40 ' 13' /02' 1/02.' 0739 ' H.1J
9:429' /02R' 5(;3(%(473/' 2%%24/' 1%' ?73(%25/(3;' 31/' 13)' /1' /02'
?2.(4735' /02?52 Q25 ' 8:/' /1' :.1H2 ' /07/' /02' 1 13(5/5'
41: 9' %(;0/' @(/0' 7' 5/279(3255' 739' 41:.7;2 ' @0(40' 2.2' 13;'
?(;0/' .2392.' /02?' 47H78 2' 1%' 41H(3;' @(/0' /02' 9(54(H (329'
/.11H5' 1%' /02' ?1/02.R41:3/.) ' .279)' D 750(3;/13' 079'
@.(//23' /1' 7' %.(239' (3' 3; 739' (3' 7 :5(13' /1' /02' 5>(.?(50'
7/' 1341.9 < N 0(5' ?7)' 52.Q2' /1' 413Q(342' 1.9' 739J
@(40 ' 739' 1/02.5' 1%' /02' 57?2' 523/(?23/ ' /07/' ?2.(4735'
B@(' %(;0/' %1.' /02(.' (82./(25' 739' H.1H2./) ' 01@2Q2.' H:5(73(J
?1:5 ' (3' 0(5' 1.950(H=5' 2)25 ' /02)' ?7)' 7HH27.' (3' 1/02.'
.25H24/5 0' \' N ?2.(4735' # ' %(;0/0 < @.1/2' .73> (3 '
N 3;739' 075' 15/' 02.' 1 13(25' %1.' 2Q2. 0' .73> (3=5'
?(39' 75' (5' 2Q(923/' 079' 8241?2' ?1.2' 739' ?1.2' (3423529'
7;7(35/' /02' .(/(50' 2;(5 7/:.2' N .' /.70730 < .:35' 0(5'
@2 R>31@3' 2H(5/ 2' /1' 0(5' 1 9' %.(239' D((7?' /.7073' /02' :)'V'
H.(3/2. < N' 1:' 7.2' 7' 2?82.' 1%' -7. (7?23/' 739' 132' 1%' /02'
?7G1.(/)' @0(40' 075' 911?29' ?)' 41:3/.)' /1' 925/.:4/(13 ' 1:'
07Q2' 82;:3' /1' 8:?' 1:.' /1Q?5' 739' ?:.92.' 1:.' H21H 2
11>' :H13')1:.' 07395 ' 02)' 7.2' 5/7(329' @(/0' /02' 8 119' 1%

F' 2//2.' /1' /02' 7Q' 1%' :3?1.1' :32' +#' !$$V' X &4) ' &) ' 1:./0'
2.(25' Q1 ' ((' 41 ' !!*$
]' '5 ' 41 ' !L$V' (' H7.>5=5' (%2' 1%' D 750(3;/13' Q1 ' ('.R

)1:.‘.27/(135‘ 1:‘739‘ ‘@2.2‘ 13;‘%.(2395‘X)1:‘ 7.2‘31@B ?)‘B232?)‘739‘ ‘7?‘)1:.5‘ * ‘ + $,

/‘ @75‘ 7HH7.23/)‘ 1@(3;‘ /1‘ /02‘ 5:H(323255P@(/0‘ @0(40‘ 232.7‘ 7;2‘ 079‘ 7 1@29‘ 0(?52%/1‘ 82‘ 8 14>7929‘ @(/0(3‘ 0(5‘ (325‘ 75‘ @2 ‘ 75‘ /1‘ /02‘ .2423/‘ :3/1@7.9‘ ?((/7.)‘ 2Q23/5‘ @0(40‘ 079‘ /7>23‘ H 742‘ :392.‘ 0(5‘ 41??739‘ /07/‘ (3‘ /02‘ ?13/0‘ 1%‘ 4/182.‘ /02‘ 027./5‘ 1%/02‘ H21H 2‘ 1%‘ 15/13‘ @2.2‘ ; 7992329‘ 8)‘ 522(3;‘ 0(?‘ /7>2‘ 0(5‘ 92H7./:.2‘ %.1?‘ /02(.‘ 501.25‘ (3(5/2.5‘ 8)‘ 754.(8(3;‘ 0(5‘ .247 ‘ /1‘ 7‘ 925(.2‘ /1‘ 4135:/‘ @(/0‘ 0(?‘ (3‘ .25H24/‘ /1‘ /02‘ H 73‘ 1%/02‘ 32M/‘ 47?J H7(;3‘ 7 1@29‘ 0(?‘ /1‘ %7 ‘ @(/0‘ .25H24/78((/) F‘ 232.7‘ 1@2‘ @75‘ 7HH1(3/29‘ /1‘ /02‘ 40(2%‘ 41??739‘ /'%/02‘ .(/(50‘ %1.425‘ (3‘0(5‘.11?BGB

3‘ /02‘ ?273‘ /((32‘ /02‘ 81 9‘ 5H(.(/‘ 1%‘ .25(5/7342‘ @0(40‘ 73(?7/29‘ /02‘ H21H 2‘1%‘ 755740:52//5‘ @75‘ .7H(9)‘ 9(%%:5(3;‘ (/52%‘ 1Q2.‘ /02‘ 1/02.‘ 1 13(25‘ 3‘ (.;(3(7‘ 51‘ /0.27/23(3;‘ 8247?2‘ /02‘ 75H24/‘ 1%‘ 7%%7(.5‘ /07/‘ /02‘ 1Q2.31.‘ 1%/02‘ -.1Q(342‘ /02‘ 7.‘ 1%‘ :3?1.2‘ @75‘ 41?H2 29‘ /1‘ 522>‘ .2%:;2‘ 13‘ 817.9‘ 7‘ .(/(50‘ ?73‘ 1%‘ @7.X‘ 31.‘ @75‘ (/‘ 13;‘ 82%1.2‘ 1.9‘ D((7?‘ 7?H82‘ 739‘ 1Q2.31.‘ 7./(3‘ /02‘ .25H24/(Q2‘ 1Q2.31.5‘ 1%‘ 1./0‘ 739‘ 1:/0‘ 7.1(37‘ 922?29‘ (/‘ H.:923/‘ /1‘ (?(/7/2‘ 0(5‘ 2M7?H 2‘ 31/02.‘ (?J H1./73/‘ 2Q23/‘ 7/‘ /0(5‘ /(?2‘ @75‘ /02‘ 744255(13‘ 1%/02‘ -.1Q(342‘ 1%‘ 21.;(7‘ /1‘ /02‘ ;232.7‘ 13%292.74)X‘ /0:5‘ 2378 (3;‘ /02‘ H21H 2‘ 1%‘ ?2.(47‘ /1‘ 925(;37/2‘ /02?52 Q25‘ 8)‘ 7‘ /(/ 2‘ @0(40‘ /02)‘ 079‘ 13;‘ 41Q2/29</07/‘ 1%‘ /02‘ - ‘ . ‘

$ ‘ N ‘%27.0‘ @.(/25‘ /02‘ 3;(50‘ 24.2/7.)‘ 7/‘ D7.‘ 1.9‘ 7..(3;/13‘ N‘@2‘ 507 ‘ 31/‘ 5:HH.255‘ /02‘ 282 (13‘ /01:;0‘ @2‘ ?7)‘ 739‘ H.1878)‘ 507 ‘ 827/‘ /02‘ .282 5 0‘ G‘ 02‘ 57;74(1:5‘ :9;2‘ (Q(3;5/13‘ 13‘ /02‘ 1/02.‘ 5(92‘ 1%‘ /02

F‘ 232.7‘ 01?75‘ 7;2‘%1((32.)‘ 1Q2.31.‘1%‘ 13/.27‘739‘7%/2.@7.95‘ 1Q2.31.‘ 1%‘ 755740:52//5‘9(29‘13‘/02‘+39‘1%‘ H.(‘ !$""‘ 2‘@75‘/02‘524139‘513‘1%‘ 01?75‘ %(.5/‘ (541:3/‘ 7;2

]‘ 232.7‘ 7%/2.@7.95‘ (.‘ D((7?‘ 1@2‘13‘/02‘927/0‘1%‘0(5‘ 8.1/02.‘/02‘42 2J 8.7/29‘ 9?(.7‘ (3‘ !$,,‘ 5:4422929‘0(?‘ 75‘ %(%/0‘ (541:3/‘ 1@2‘ 2‘ 9(29‘(3‘ !"!S‘ E (‘ -1(/(47‘ (%2‘1%‘ 1.9‘ 7..(3;/13‘H‘ !#,R

' ' +. /

/ 73/(4' 079' 13;' 8223' 1%' /02' 57?2' 1H(3(13' N /' (5' (3J /1 2.78 2 0' @2.2' 0(5' @1.95' /1' 0(5' %7?( )' 75' %7.' 874>' 75' /02')27.' !$$L' N /07/' 7' 13/(323/' (>2' ?2.(47' 501: 9' 82' ;1Q2.329' 8)' 7' 0// 2' (5 739' /0.22' /01:5739' ?(25' 7@7) R ?2.(47' ?:5/' 739' @(' ' 82' (392H23923/ 0' F

(%2' 1%' 9@7.9' (Q(3;5/13' H' +*

- ‘ && &

1 :4/739 ‘1%‘ /01‘ ?2.(4735‘ /1‘ 8.27>‘ 1%%‘ %.1?‘ /02‘ N 9‘ 1:3/.)0< 02‘ N (Q1‘ .7340O‘ -2/(/(13‘ /1‘ /01‘ (3;< 1‘ 35@2.‘;(Q23‘/1‘(/< 01‘ 7>2‘-1./5‘ /7>23‘8)B‘ /02‘ ?2.(4735< 34134((7/1.)‘ 1)7‘ H2240‘ 13‘ 1H23(3;‘ -7.(7?23/<BD7.?‘ 287/25< :>2‘1%‘ .7%/13‘.2/(.25‘%.1?‘ %%(42< 1B9‘ 21.;2‘ 2.?7(32‘7HH1(3/29‘ 24.2/7.)‘ %1.‘ ?2.(473‘ %%7(.5‘<‘ H2240‘ 1%‘ m9.3:39‘ :.>2‘ (3‘ %7Q1:.‘ 1%‘ 134((7/(13<N‘ 1.9‘ 1./0=5‘ -.10(8(/1.)‘ (‘O‘ H75529<-1M=5‘ 1/(13‘ %1.‘ 3I:(.)‘32;7/(Q29‘8)‘/01‘ 1?? 135‘739‘/01‘ :>2‘1%‘ .7%/13=5‘ H73‘1%‘ 13J 4((7/(13‘ .2G24/29‘8)‘/02‘ 1.95< 13/.27‘144:H(29‘8)‘/01‘ ?2.(4735< (2;2‘1%‘ A:2824< 02‘ ?2.(4735‘2Q74:7/2‘ 73797

/$ o ‘ .27513‘ 75‘ /02.2‘ @75‘ %1.‘ /02‘ ?2.(4735‘ /1‘ .2/7(3‘ /02(.‘ 734(23/‘ 7%%24/(13‘ %1.‘ .27/‘ .(/7(3‘ /02)‘ 32Q2./02 255‘ 7//.(8:/29‘ /02(.‘@.13;5‘ .7/02.‘ /1‘ /02‘ 7.(5/14.7/(4‘ %1.?‘ 1%‘ 02.‘ 1Q2.3?23/‘ /073‘ /1‘ 73)‘ :3%.(239)‘ %22 (3;5‘ 13‘ /02‘ H7./‘ 1%‘ /02‘ .(/(50‘ 37/(13‘ 739‘ 7441.9(3;)‘ /02‘ ;.27/‘ ?755‘ 1%‘ /02‘ ?2.(473‘ H21H 2‘ @2.2‘ 5/(‘ .2 :4/73/‘ /1‘ 8.27>‘ 1%%‘ /02‘ /(25‘ @0(40‘ :3(/29‘ /02?‘ /1‘ /02‘ N‘1 9‘ 41:3/.)‘O‘ @(/01:/‘ ?7>(3;‘ 7‘ %:./02.‘ 7//2?H/‘ /1‘ 2%%24/‘ 7‘ .24134(07/(13‘ 392.‘ /0252‘ 4(.4:?5/73425‘ (/‘ @75‘ H.1H1529‘ 739‘ 47..(29‘ (3‘ 13;.255‘ (3‘ /02‘ ?13/0‘ 1%‘ :32‘ /07/‘ 13‘ 4139(/(13B1%‘ .27/‘ .(/7(3‘ %1.2;1(3;‘7 /1;2/02.‘02.‘ 7552./(13‘1%‘.(;0/‘/1‘ /7M‘02.‘ 1 13(25‘ 739‘7 51‘ 413429(3;‘/02?‘ 7‘%.22‘ 41??2.42‘ ?2.(47‘ 13‘ 02.‘ H7./‘ @1: 9‘ 31/‘ 13)‘413/(3:2‘ /1‘ Q1/2‘ H24:3(7.)‘7(95‘/1‘/02‘ ?1/02.R41:3/.)‘8:/‘@1: 9‘ :392./7>2‘ /1‘ 9(5407.;2‘ /02‘ @01 2‘ 1%‘ 02.‘ 928/5‘ @(/0(3‘ /02‘ 5H742‘ 1%‘ 7‘ 423/:.)‘ 13;.255‘ 7/‘ /02‘ 57?2‘ /(?2‘ 9.2@‘ :H‘ 7‘ H2/(/(13‘ /1‘ /02‘ (3;‘(3‘ @0(40<‘ 5/)03;‘ 0(?‘ /02‘ N (3;=5‘ 15/‘ M42 23/‘ 7G25/)O‘ 739‘ H.2%2..(3;‘ /02(.‘ 41?H 7(3/5‘ (3‘ /02‘ ?15/‘ 1)7‘ 739‘ 9:/(%:‘ 73;:7;2</02)‘0:?8)‘23/.27/29‘0(?‘ /1‘ 2M2.4(52‘ 0(5‘ 8232J Q1 2342‘ 739‘ ?7;373(?(/)‘(3‘ .2R25/78 (50(3;‘H2742‘ 739‘ :3(/)‘ 82/@223‘ /02‘ /@1‘ 41:3/7(25‘ 0(5‘ 914:?23/‘ 13‘ /02‘ 5:44255

1% @ ((40 /02 ?2.(4735 .25/29 /02(.' 75/ % 22/(3;' 01H25 1% 82(3;' 78 2 /1' 7Q2./ /02 01..1.5_1% 4(Q(' @7.' @75 /2392.)' 925(;37/29 8)' /02?' 1 - ' 2$ ' % ,' /5 57%2 U/.735?(55(13 /1' .27/ .(/7(3 @75 23/.:5/29 /1' (407.9 -233' 73 0131:.29 H.1G .(2/7.)' 1% -2335) Q73(7' @01' (3 9:2 /(?2 57(29 @(/0 (/ /1' 3; 739' 7//23929 8)' /02 573;:(32 01H25 739 7.923/ H.7)2.5 1% 2Q2.)' 1Q2.' 1% H2742 / (.1:;01:/ /02 ;.27/ 13/(323/ 1% ?2.(47

/ @75 13 /02 !5/ 1% 2H/2?82.' /07/ -233 H 7429 (3 /02 07395 1% /02 7?(78 2 739 @2 R(3/23/(1329 7.' 1% 7./?1:/0 /0(5 ?2?1.78 2 7HH27 ' 13 @0(40 92H23929 /02 (3/2;.(/)' 1% 7 ;.27/ 2B?H(.2' 739 /02 07HH(3255 1.' ?(52.)' 1% ?73)' ?((135' 7(/?1:/0' 7 /(?(9 739 47:/(1:5 5/7/25?73' .242(Q29 (/ B H239(3;' 7 4135:/7/(13 @(/0 0(5 41 27;:25' (3 1?(31:5 5(2342' 135/(/:/29 75 /02 78(32/ @75' (/5 %7/2 ?7)' 82 .279()' 41342(Q29' 1' /02 1./05' /02 7./?1:/05' 739 /02 739@(4025' 31/ ((3;' 41: 9 82 N275(2.' /073 /1' 7..(Q2 7/ /02 4134 :5(13 /07/ 13;.255' 82(3;' 7 52 %R4135/(/:/29 819)' 739 (/5 4135/(/:23/5 82(3;' (3 1H23 .282 (13' 079 H:/ /02?52 Q25 82)139 /02 H7 2 1% .241;3(/(13' 39 5:40' :307HH()' H.1Q29 /1' 82 /02 .25:/ 1% /02(.' 92 (82.7/(135' / @75 41 9)' (3/(?7/29 /1' /02 ?2.(473 H21H 2 /07/ 31' 31/(42 41: 9 82 /7>23 1% /02(.' -2/(/(13' 0:5' /023' 9(9 .27/ .(/7(3 % (3;' 7@7)' /02 75/ 407342 1% 4134((7/(3;' /02 1 13(25' 739 H.2Q23/(3;' /02 9(5?2?82.?23/ 1% /02 ?H(.2 39 @07/' 2/ :5 75>' @2.2 0>2)' /1' 82 /02 %22 (3;5 1% /02 ?2.(473 H21H 2< 1% /02 0:58739?73 025(/7/(3;' /1' 507.H23 0(5 87)132/< 1% /02 @(%2 /.2?8 (3;' %1.' /02 57%2/)' 1% 02.' 0:58739< 1% /02 ?1/02.' %1.' 02.' 513RP@023' 7%/2.' @22>5' (% 31/ ?13/05' 1% 01H2 92%23R29' (/ 8247?2 >31@3 1Q2.' /02 23;/0 739 8.279/0 1% /02 739 /07/ /02(.' N (Q2 .7340 0 7)' 7 9279 2//2.' (3 7 24.2/7.)' 1% /7/2=5 %%(42' 739 /07/ /02 @1.95' N 1' 3 ' 3 $ ' 4 ' 0 &,' 4135/(/:/29 /02 13)' .241;3(/(13 @0(40 (/ @1: 9 H.1878)' 2Q2.' .242(Q2' 023 (/ @75' /07/ (39(;37/(13 2%%24/:7)' /11>' /02 H 742 1%

734(23/ 5) ?H7/ ((25 739 7%%24/(135 † 023 (/ @75 ' /07/ /02 8.7Q2 Q1@29 /1 5/739 8)' /02 8.7Q2 ' 739 /02 /(?(9 51 : ;0/ /1 73(?7/2 /02 /(?(9 .1?' /07/ ?1?23/ ' @0232Q2.'/02 ?73 1% H2742 : . ;29 /02 :3.(;0/21:53255 1% 50299(3;' 0: ?73 8 119 < ' @0232Q2.' /02 H0(73/0.1H(5/ 925473/29 13 /02 7@%: ' 413J 52 I : 23425 1% H :3;(3;' (3/1 4(Q(' @7. < @0232Q2.'/02 @7Q2.J (3;' 1)7 (5/ H 27929 /02 574.29 /(25 @0(40 7//74029 0(?'/1 0(5 51Q2.2(;3 < /02 (3Q7.(78 2 .2H)' @0(40 /02)' .242(Q29 %.1?' /02(.'%2 1@R41:3/.)?23 @75 7 .24:(2342 /1 /02 %7/2 1% /02 N (Q2 .7340 0 739 /1 /02 7.(5/14.7/(4 (351 2342 1% /02 .(/(50 2;(5 7/:.2' N 27.' (3 ?(39 0 < 57(9 /02 ?75/2.J 5H(./5 1% ?2.(47 < N /02 %7/2 1% /02 524139 H2/(/(13 1% 13;.255 /1 /02 (3;' † ' /02 8 119 739 ;:(/ 1% /02 @7.' .25/ @(/0 .(/(50 ' 739 31/ @(/0 ?2.(473 41:352 5 0F Ú :.(3;' /02 /(?2 /07/ D750(3;/13 @75 2?H 1)29 (3 8 14>79(3;' 232.7 ' 1@2 (3 15/13 ' 1/02.' ?((/7.)' 1H2.7J /(135 ' 1% 31 ?273 (3/2.25/' [(P2.2 82(3;' 47..(29 13 (3 7 9(5/73/ H.1Q(342 1% /02 ?2.(473 13/(323/' 02 H7./ @0(40 73797 ?(;0/ 82 (39:429 /1 /7>2' (3 /02 2Q23/ 1% 7 4(Q(' @7.' 8.27>(3;' 1:/ 82/@223 .27/ .(/7(3 739 02.' 41 13(25 ' @75 37/:.7)' 7 I :25/(13 1% 922H (3/2.25/B /1 81/0 H7./(25 ')' /02 1/02.' 41 13(25 ' /02 7379(735 522?' /1 07Q2 8223 .2;7.929 75 ?:40 ?1.2 9(57%%24/29 /1@7.95 /02 ?1/02.R 41:3/.)' /073 5:852I:23/)' H.1Q29 /1 82 /02 4752 X 739 74J 41.9(3;)' (3% :23429 8)' /0(5 4135(92.7/(13 ' 51?2 81 9 739 7.923/ 5H(./5 1% /02 -.1Q(342 1% 13324/(4:/ 1.;73(629 7 524.2/ H.1G24/ %1.' 52(6(3;' /@1 %1./5 .231@329 (3 %1.?2.' @7.%7.2' (41392.1;7' 5(/:7/29 13 7>2 21.;2' 739 .1@3 -1(3/' 13 7>2 07?H 7(3' 02 2MH29(/(13 413R

F 7?57)=5 (5/' 1% /02 ?2.(473 2Q1 :/(13 ' Q1 ' (' H' +!S' 22 7 51' D(>25B5 H2240 (3' /02 1:52 1% 1?? 135 ' 4/182.' L!' !$$#' N 02.2 @75 31/ 7 @1.9 = 02 57(9' N (3' /02 -2/(/(13 8:/ @07/ 8.27/029 5:8?(55(13 739 1)7 /)' 39)2/ /02 1%%(4(7' 735@2.' 1% /02 24.2/7.)' 1% /02 ?2.(473 2H7./?23/' 7%/2.' 13;' 92 (82.7/(1((' @75 /1' /0W 75/ 94;(=22 (..(/7/(3;' / @75M$ ' ' " ' " ' ' R' 07/ (5 < D2 @(' 31/ /.27/' D2 541.3 /1' 32;1/(7/2 @(/0)1:' D2 2M74/ :34139(/(137 ' 5:8?(5J 5(13 ' 0(5' (.' (3 ?)' 1H(3(13 ' ?(;0/ G:5/)' 82 47 29 (39(;3(/)' 739 (35: /' /B 9.1Q2 /02 ?2.(4735 /1' 925H7(. 0 > ' I #' Q1 ' MQ(((' 41 ' !S*S R

5(5/29' 1%' 781:f' /0.22' 0:39.29' 739' %1./)' ?23' 1%' @01?' /02'
?7G1.(/)' @2.2' >31@3' 0)' /02' 37?2' 1%' .223' 1:3/7(3' 1)5'
%.1?' /02' 147 (/)' (3' 2.?13/' @0(40' 079' ;(Q23' /02?' 8(./0
02(.' 2792.' @75' /073' 23' 7' 37/(Q2' 1%' 13324/(4:/'
@2 R>31@3' /1' 0(5' %2 1@R41:3/.)?23' 75' 73' 74/(Q2' 739' (3J
/.2H(9' 407?H(13' 1%' H1H:7.' .(;0/5' /' 75/2/13' 781:f'
/@23/)R%(Q2' ?(25' %.1?B' (41392.1;7'/02)' @2.2' 1Q2((7>23'
8)' /02' 42 28.7/29' 2329(4/' .31 9' @01' H.2%2..(3;' /02'
H.1%255(13' 1%' 7.?5' /1' 0(5' %1.?2.' 144:H7/(135' 1%' 9.:;;(5/' 739'
;232.7' ?2.4073/' 079' .2423/)' .242(Q29' 7' 1 132=5' 41?J
?(55(13' %.1?' /02' 13;.255' 1%' 755740:52//5 F' 02(.' ;.27/'
9(%%(4:/)' 7)' (3' H.14:.(3;' 817/5' (3' @0(40' /1' 4.155' /02' 7>2'
/1' /02' 1HH15(/2' 501.2' 13' @0(40' (41392.1;7' 5/119' 75' @2'
75' (3' %(39(3;' 7' ;:(92' 5:%%(4(23/)' @2' 74I:7(3/29' @(/0' /02'
%1./' 739' (/5' Q(4(3(/)' N' 23 0' @.(/25' 0(5' 8(1;.7H02.
N' ?792' (3I:0(25' 75' /1' /0252' H1(3/5' 1%' .' 2?73' 7' %7.?2.'
.25(9(3;' 327.' /02' 7>2' (3' 01.207?' @01' 735@2.29' /07/' 02'
52 91?' 4.15529' /1' (41392.1;7' 739' @75' (// 2' 74I:7(3/29' @(/0'
/02' H7./(4:7.5' 1%' (/5' 5(/:7/(13' 8:f' /07/' 0(5' 513' 7/073' 7'
)1:3;' 79' H75529' ?:40' 1%' 0(5' /(?2' /02.2' (3' 41?H73)' @(/0'
/02' 81)5' 1%' /02' ;7..(513' 7/073' @75' 47 29' 739' 7HH27.29'
8)' 0(5' 735@2.5' /1' 82' %7?((7.' @(/0' 2Q2.)' 311>' (3' /02' %1./'
739' 2Q2.)' H7557;2' 739' 8)RH7/0' 8)' @0(40' (/' 41:9' 82' 7HJ
H.174029' 3' /02' 2)2' 1%' 1 132' 23' 02' B@75' /02' Q2.)'
H2.513' /1' /0(=279' 1:f' /02' 825/' 7Q23:2' 739' 7441.9(3;)' @(/0'
/02' 413523/' 1%' /02' %7/02.' 739' 8)' 7' (// 2' H2.5:75(13' 7/073'
2?73' @75' 23;7;29' /1' 82' /02' ;:(92' 1%' /02' H7./) 0%' ..(Q29'
7/' 75/' 13' /02' 1/02.' 5(92' 1%' /02' 7>2' (/' @75' (3' /02' ;.2)' 97@3'
1%' 7' 5H.(3;' ?1.3(3;' /07/' 23' 739' .31 9' :31852.Q29' 8)' 7)(1'
/02' .(/(50' %1:39' /02?52 Q25' @(/0' 73' 79Q73429' 92/740?23/'
1%' E2(;0/)R/0.22' ?23' @(/0(3' 473313R501/' 1%' (41392.1;7'
/023' 73' (?H1./73/' ?((/7.)' H15/' 8:f' (3' 1:.' 97)' 7' H(4/:.25I:2'
.:(3' Q2.)' 2)2' @75' %(M29' :H13' /073' 23' 75' 02' H.1R

F' H7.>5-5' (%2 1%' .31 9' HH' " !S' !#'
/' H7.>5-5' (%2 1%' /073' 23' H' +$S'

' +

422929 /1 799.255 0(5 %1 1@2.5 N .(2395 739 %2 1@R 51 9(2.5 0 02 57(9 N@2 ?:5/ /0(5 ?1.3(3; I:(/ 1:. H.2J /235(135 /1 Q7 1:. 1. H155255 1:.52 Q25 1% /0(5 %1./.255X 739 (375?:40 75 (/ (5 7 925H2.7/2 7//2?H/ 91 31/ :.;2 (/ 413/.7.) /1 @(1: /07/ @(:392./7>2 Q1:3/7.( ) H1(52)1:. %(.2 14>5 0 Q2() %(.2 14> @75 H1(529 75 02 5H1>2X 739 7441.9(3;) H 74(3; 0(?52 % 7/ /02 0279 1% /02 423/.2 %(2 02 29 /02 @7) @(/0 .31 9 @7 >(3; 8) 0(5 5(92 5(23/) 739 5/27 /0( ) /1@7.95 /02 ;7/2 1% /02 %1./.255P

02 ;7..(513 1% (41392.1;7 4135(5/29 7/ /0(5 /(?2 1% 7 1Q2.31.<132 7H/7(3 2 7 - 742<P/0.22 52.;273/5 7 ;:332. 739 %1./)R%1:. ?23 7 %1.42 P?H) 5:%%(4(23/ /1 07Q2 ?7(3/7(329 (/ 7;7(35/ /02 :39(54(H (329 8739 8) @0(40 (/ @75 /0.27/2329 2 7 - 742=5 (?H.:92342 01@2Q2. H.24 :929 /02 324255(/) 1% 7 5(2;2 1 (// 2 5:5H(4(13 079 02 1% 973;2. 739 41352I:23/) 51 (// 2 H.247:/(13 079 02 /7>23 /1 H.2Q23/ 5:.H.(52 /07/ @023 /073 23 .274029 /02 %1./.255 02 %1:39 /1 0(5 ;.27/ 57/(5%74/(13 /07/ /02 @(4>2/ @75 2%/ 1H23 47.42) 079 /02 523/(32 079 /(?2 /1 537H 0(5 ?:5>2/ 7/ 0(? 739 82/7>2 0(?52 % /1 % (;0/ 82%1.2 /02 ?2.(4735 .7(5(3; /02 @7.R@011H 1% /02 39(735 079 975029 (3/1 /02 %1./ 739 1Q2.H1@2.29 /02 ;:7.9 02 %(.5/ 92?739 1% /02(. 2792. @75 /1 82 4139:4/29 /1 2 7 - 742=5 5 22H(3;R.11? /02 911. 1% @0(40 H.1Q29 /1 82 %75/2329 @(/0(3 N 1?2 %1./0 (35/73/) 0 2M4 7(?29 23 N 1. @(574.(%(42 /02 @01 2 ;7..(513 0 N) @07/ 7:/01J .(/) c0 (3I:(.29 /02 82@(92.29 1%%(42. 75 02 47?2 %1./0 :3J 9.25529 N 92?739 (/ 0 57(9 /073 23 N(3 /02 37?2 1% /02 .27/ 201Q70 739 1% /02 13/(323/7 13;.255 0 ^ 2 7 - 742 23927Q1:.29 /1 .2?135/.7/2 @(/0 0(? 8:/ /1 31 H:.H152 / 23;/0 1Q2.7@29 8) /02 9.7@3 5@1.9 739 /02 92/2.?(329 2MH.255(13 1% 41:3/237342 1% /073 23 02 .2 :4/73/))(2 929 /1 4(.4:?5/73425 739 1.92.29 0(5 ?23 /1 82 H7.7929 @(/01:/ 7.?5 F

F 734.1%/=5 (5/ 1% /02 3(/29 /7/25 Q1 Q((HH LL Y LS* (2(P2B@2.2H.1878)

02' %7 ' 1%' 1./' (41392.1;7' @75' %1 1@29' 8)' /07/' 1%' .1@3' -1(3/' @0(40' 8)' 51?2'32; 24/' 079' 8223' 2%/' @(/01:/' 7' ;7..(513' 81:/'/02'57?2'/(?2' .31 9'52(629'739'7.?29' 7'H.(Q7/2' 5401132.' 1%' @0(40' 07Q(3;' 8223'7' 527?73'(3'0(5')1:/0' 02'/11>' 41??739' -.14229(3;' 91@3' 7>2' 07?HJ 7(3'/1' /' 103=5' 02'31/' 13)'/11>' H155255(13' 1%'/02' %1./' 7/'/07/'H 742' 8:/' @(/0' ;(B27/' 5>(' 739' 5H(.(/' 5:.H.(529' 739' 47H/:.29'/02' N' 3/2.H.(52'O' 5 11H'/02' 13)'Q2552' 1%'@7.' 13' /02' 7>2X' /0:5' /.735%2..(3;'/02'41??739' 1%'/07/'(?H1./73/' 5022/' 1%'@7/2.'%.1?'/02'5@7)'1%'/02' .(/(50'/1'/07/'1%'/02' ?2.(4735' U

02'8 7?2' 1%'/0252'9(5;(R7425'(5' 57(9'/1' 07Q2'8223'(3'7' ;.27/'92;.22'7//.(8:/78 2'/1' 232.7' 7. 2/13'/02' 1Q2.31.' 1%' 73797 F' @01' 8)'41??(//(3;'/02' 91:8 2' 2..1.'1%' 413J 42(Q(3;'2M7;;2.7/29'31/(135'1%'/02' 1)7 /)'1%'/02' 7379(735' 75' @2 ' 75' 1%' 0(5' 1@3' H1H:7.(/)' 7?13;5/' /02?' 079' 7 1@29'0(?52 %'/1' 82' : 29'(3/1' 7' %7 52' 524:.(/) ' ' 41.J H1.7=5' ;:7.9' 02' /1 9' 232.7' 7;2' @75' 5:%%(4(23/' /1' 92%239'/02' -.1Q(342' .31 9'739' /073' 23'079'7..(Q29' 7/' 7' 9(%%2.23/' 4134 :5(13' /' @75' /02' 413Q(4/(13' 1%' .31 9' 75' 02' @.1/2' /1' /02' 13/(323/7' 13;.255' (3' :32' /07/' 73797' ?(;0/'82' .29:429' @(/0' 75' %2@' 75' /@1' /01:5739' ?23' N' 02'>2)'(5'1:.5' 75')2/ O' @.(/25' 7 51' 23' /1' /02' 13;(B255' 1%' 2@' 1.>' 13' /02' +39' 1%' :32' N 739' H.1Q(929' /02' 1 13(25' @1:9' 5:9923)'H:50' 73' 7.?)'1%' /@1' 1.'/0.22' /01:5739' ?23'(3/1' 73797' /02)' ?(;0/' ?7>2' 7' 413I:25/' 1%' 7 ' /07/' @1:9' 1HH152' /02?' (3' /02' 2M/235(Q2' -.1Q(342' 1%' A:2824' :3 255' .2(3%1.42?23/5' %(.1?' 3;739' 501:9' H.2J

51?2'2M/23:7/(3;'4(.4:?5/73425'(3' 2' 7' - 742=5'4752X' 75'(35/279'1%'82(3;'8.1:;0/' 82%1.2' 7' 1:./R 7./(7'02' @75'7 1@29'/1'52 ' 0(5' 41??(55(13' & S ' I ' 'C ' Q1 ' ((' H' +L!' # S/0' 9(/(13

F' 232.7' 7%/2.@7(95' (.' :)' 7. 2/13' ' 3' !$"!' 02' 5:4422929' (.' 23.)' (3/13' 75' 1??7392.'(3' 0(2%'1%'/02' ./(50' %1.425'(3' ?2.(47' (3'@0(40'H15/'01' 413/(3:29'/('/02' /2.?(37/(13'1%'/02'@7.' @023'7%/2.' 7'%(37'(3/2.Q(2@'@(/0' 232.7 = D750(3;/13' 02' 2Q74:7/29' 2@' 1.>' 739'.2/:.329'/1' 3;739' 3' /02' +!5/' 1%' :;:5/'!$"# 02'@75'4.27/29' 7.13' 1.4025/2.' (5'927/0'/11>'H 742'13'/02'!*/0'1% 1Q2?82.'!"*"'(3'/02'2(;0/)R5(M/0')27.'1%'0(5'7;2

Q23/ (/ :40 7 9(Q2.5(13 @1: 9 @27>23 232.7 7;2 1.' (35:.2 :5 73797' @1: 9 7)' ?)' (%2 13 (/ /07/ @(/0 %(%/223 0:39.29 ?23 @1: 9 /7>2 13/.27 0 5 7%%7(.5 7/ 5.2523/ 5/119' 232.7' 7. 2/13 079 31 1/02.' 7 /2.37/(Q2 8:/ /1 413423/.7/2 /02 5?7 %1.42 :392.' 0(5 41??739' 7?1:3/(3;' 13)' /1 2(;0/ 0:39(=29 ?23' @(/0 @01?' 02 50:/ 0(?52 %:H (3 /' 103=5' 781:/ 132 0:39.29 ?(25 /1 /02 31./0@7.9 1% (41392.1;7' @02.2 02 7@7(/29 /02 7..(Q7' 1%.2(3%1.42?23/5 73P /02 97@3 1% 82//2.' /(?25

/ @75 9:.(3;' /02 2Q23/%:' 5275I3 1% /02 8 14>792 1% 15/13 8)' /02 ?2.(4735' 739 1% /02(.'5(?: /7321:5 (3Q75(13 1% 73797' /07/ /02 .(/(50 -7. (7?23/.27552?8 29 7/ D 25/R 4/' +#' ?(35/2.' 02 5H2240' @0(40 /02 (3;' 92 (Q2.29 %.1?' /02 /0.132' @75 (5/2329 /1 @(/0 (3/2352 (3/2.25/' %' /02.2 @2.2 73)' H2.5135 @01 (?7;(329 /07/ (3(5/2.5 ?(;0/ H155(8)' 07Q2 27.329 @(591?' 9:.(3;' /02 .24255' /02)' @2.2 925/(329 /1 82 5(;37)' 9(57HH1(3/29' 02 5H2240' (3 %74/' @75 7 /(55:2 1% 7..1;7342 739 ?(5.2H.2523/7/(13' 02 ;.27/ H21H 2' @01 @2.2 5/.:;; (3;' %1.' /02(.' (82./(25' @2.2 (351J 23/)' 925(;37/29 N73 :307HH)' 7 ?(5 29' 739 92 :929 ?:/(/:92 0 /@75 %7 52)' 7552./29 /07/ /02(.' H.1%255(135 1% 1)7 /)' @2.2 (3/23929 13)' /1 ?(5 279' 739' %%1 255 %7 52)' /07/ /02%/ .27' 18G24/ (3 /7>(3;' :H 7.?5 @75 /02 25/78 (50J ?23/ 1% 73 (392H23923/ 2?H(.2' D(591?' 31 255 /073 4 2?234)' H.1422929 /02 H2240' .2I:(.29 /02 791H/(13 1% 924(5(Q2 ?275:.25' 739 41352I:23/)' -(5 7G25/)' 079 /01:;0/ H.1H2.' /1 1.92.' 7 4135(92.78 2 (34.2752 81/0 /1 0(5 ?((/7.)' 739 37Q7' 25/78 (50?23/5 F

:40 7 914:?23/ @75 (// 2 (>2)' /1 82 9(54:5529 (3

F -7.(' (5/1.)' Q1 ' MQ(((' 41 ' #,#' 3 /02 5:8G24/ 1% /02:3%1./:37/2 ?7332.' (3 @0(40 /02 3;(50 (3(5/2.5 @2.2 ?(5(3%1.?29 739 9242(Q29 8)' /02 52.Q73/5 1% /02 .1@3 (3 ?2.(47' (3 .2;7.9 /1 /02 %22 (3;5 739 5H(./ 1% /02 ?2.(473 H21H 2' 522 /02 2M/.74/5 %.1?' /02 1..25H1392342 82/@223 232.7' 7;2739 1.9 7./?1:/0' (3 /02 HH239(M /1 /02 /0(.9 Q1:??2 1% .' 7.29 H7.>5=5 29/((13 1% D750(3;/13=5 012' 33' * *4* 5

-7. (7?23/' @(/ (1:f ;(Q(3;' .(52' /1' ?73)' 52Q2.2' 73(?79J Q2.5(135' 3' /02' 1:52' 1% 1??135' 1.9' 103' 7Q23J 9(50' 739' 1/02.' ?2?82.5' (35(5/29' /07f' H1./(135' 1% /02' (3;=5' H2240' @2.2' H15(/(Q2)' :3/.:2' @0(2' 1 132' 7..W 739' 07(=25' 1M' H7552 9' %.1?' /02' H2240' (/52 %/1' .2H.187/2' /02' ?((/7.)' 4139:4f' 1% /02' @7.' 2(/02.' 1.9' 07/07?' 57(9' 1M' 31.' /02' (3;' 1% -.:55(7' 31.' 2Q23' 2M7392.' /02' .27/' 079' 2Q2.' ;7(329' ?1.2' (3' 132' 47?H7(;3' /073' 079' 8223' 15f' 8)' /02' H.2523f' 0 (3(5/2.5' 02)' 079' 15/' (3' %74/' 7' 13/(323/' /01:;0' 79929' 1M' (f' ?(;0f' 82' 9(%%(4: f' /1' G:5/(%)' /02' 4139:4f' 1% /02' ?2.(4735' (3' /02' @01 2' 1% /02(.' H.14229(3;5' 5/(' .25(5/7342' @75' 255' .2H.20235(8 2' /073' /7?2' 5:8?(55(13' /1' /02' /).733)' 1% 7' .(/(50' -7. (7J ?23/F' 232.7' 13@7)' %1 1@29' (3' /02' 57?2' 5/.7(3' .27f' .(/7(3' 02' (35(5/29' 079' 31' .(;0f' /1' /7M' 02.' 41 13(25' 02' 24 7.7/1.)' 4f' 1:;0f' /1' 82' (??29(7/2)' .2H27 29' N 3' /02' 1??135 0' @.(/25' D 7 H1 2' N .' 13J @7)' ((' 7' 01//2.' 5H2240' /073' 2Q2.' @75' ?792' 2MH1529' 7' /02(.' 1:/.7;25' 739' 8:392.5' 739' 07.25' 1M' /1 9' 1.9' 1./0' /07f' 31f' 2M7392.' 31.' 7257.' 079' 2Q2.' 413I:2.29' 51' ?:40' 75' 02' 079' 15f' (3' 132' 47?H7(;3 0

3' /02' 1:52' 1% 1.95' /02' 5H2240' %.1?' /02' /0.132' @75' 9231:3429' (3' 73;:7;2' 31' 255' 81 9' 739' %1.4(8 2' 02' 7552./(13' /07f' 392H2392342' @75' /02' .27' /01:;0' 413J 427 29' 7(?' 1% /02' ??2.(4735' @75' 924 7.29' 8)' 1.9' 14>J (3;07?' /1' 82' ://2.)' @(/01:f' 73)' %1:397/(13' N' 2Q2./02R' /02 255 0' 02' 79929' H.1H02/(47)' N@07f' /02)' /02?52 Q25' 32Q2.' (3/23929' @2' 507' 42./7(3)' 9.(Q2' /02?' /1' 02)' @(' :391:8/29)' H.2%2.' 392H2392342' /1' 5 7Q2.) 0' 3' /02' E5/.13;25f' /2.?5' 7 51' 02' 923(29' /07f' /02(.' H.1%255(135' 1% 1)7 /)' 079' 8223' ?2.2)' 01 1@' 739' (35(9(1:5' 1' %7.' 02' 57(9' %.1?' /02(.' 4139:4f' 07Q(3;' 8223' ?7.>29' 8)' 9:H (4(/)' /02(.' 924 7.7/(135' 739' (3/23/(135' 079' (3Q7.(78)' 8223' ?15/

2MH (4(/' .1?'/02' 41? ?2342?23/' 1%'/02' :307HH)' I:7..2 '
/02)' 079' 31/' 13)' 7331:3429' /02(.' 92/2.?(37/(13' 32Q2.' /1'
5:8?(/' /1' /7M7/(13' 8:/' 079' 81 9)' H.14 7(?29' /1' /02'
@1. 9'/02' 5/2H5' @0(40' /02)' (3/23929' /1' /7>2' (%' 9.(Q23' /1'
2M/.2?(/)' 255(13' 7%/2.' 5255(13' 57(9' 0(5' 1.950(H' 07Q2'
(3(5/2.5' 8223' @7.329' 1%'/02' .:(3' (3' @0(40' /d(B2' @2.2' (3J
Q1 Q(3;'/02(.'41:3/.)' 75' @2 ' 75'/02?52 Q25' :/' 07/' 079'
8223' /02(.' H1 (4)'c' 35/279' 1%' 522>(3;' (3%1.?7/(13' %.1?'
/02' /.:5/)' 739' /02' @2 R(3%1.?29' /02)' 079' (5/2329' /1' /02'
%7 52' 1.' H7./(7' .2H.2523/7/(135' 1%' H.2G:(0429' 739' 925(;3(3;'
?23' ?23' @01'23G1)(3;' :4.7/(Q2'2?H 1)?23/5'(3' ?2.(47'
@2.2' 1%/23' 13)' /11' ; 79' /1' 82' %:.3(5029' @(/0' 73' 1HH1./:J
3(/)' 1%' 79Q734(3;' /02?' R1@3' (3/2.25/5' 739' 1%' ;.7/(%)(3;'
/02(.' %22 (3;5' 1%' .2Q23;2' 7/' /02' 2MH2352' 1%' 1/02.5' 02'
?275:.25' 02' 4134 :929' @0(40' 079' 8223' .241??23929' (3'
/02' 5H2240' %.1?' /02' /0.132' 02' 4135(92.29' 75' H1./23/1:5' 1%'
/02' ?15/' 9(575/.1:5' 41352I:23425' /1' /0W' 2?H(.2' 739' 02'
501: 9' 1HH152' /02?' /1' /02' :/?15/' 1%'0(5' 78((/) F

1.9' 02 8:.32' (3' 31' 255' (39(;373/' /2.?5' 41392?329'
/02' 4139:4/' 1%' (3(5/2.5' 75/')27.' 02' 57(9' 7' 42./7(3'
7@R 1.9' 079' H 29;29' 0(?52 %' /07/' 7' (// 2' 8 1195029'
@1: 9' 8.(3;' /02' ?2.(4735' /1' /02(.' 523525' (342' /023'
8 119' 079' 8223' 74/:7)' 5029' 8:/' %1.' @07/' H:.H152'
079' (/' %1@29' 2M42H/' /1' 52H7.7/2' ?2.(47' %.1?' .27/'
.(/7(3< /1' 52Q2.' 02.' H2.07H5' %1.' 2Q2.c' (3(5/2.5' 8)' /02'
925H1/(4' H1 (4)' @0(40' /02)' 079' H:.5:29' 079' N'H.24(H(/7/29'
/02(.' 41:3/.)' (3/1' /02' ?15/' H2.(1:5' 1%' @7.5<7' @7.' @(/0'
1:.' 8.1/02.5' 1:.' %.(2395' 739' 1:.' %2 1@R5:8G24/5 0' D 07/J
2Q2.' Q(5(137.(25' ?(;0/' @.(/2' 13' /02' 5:8G24/' /02' H.15H2.(/)'
1%'/0(5' ;.27/' 2?H(.2' 92H23929' :H13' 02.' 41??2.42' @(/0' 02.'
41 13(25' 739' 41352I:23/)' /02' (392H2392342' 1%' /02' 132'
?:5/' (32Q(/78)' 279' /1' /02' 925/.:4/(13' 1%' /02' 1/02.' 39(J
;2342' (%' 31/' .:(3' 02' 57(9' 5/7.29' /02(.' 1.950(H5' (3' /02' %742

1.‘ 0(?52D‘ 02‘ @75‘ 5(3;: 7.)‘ %1./:37/2‘ (3‘ 07Q(3;‘ 8223‘ 8.1:;0/‘ :H‘ (3‘ /02‘ H.1%255(13‘ 1%‘ 7‘ 51 9(2.‘ 2‘ @75‘ 744:5J /1?29‘ /1‘ /02‘ ?192.7/(13‘ 739‘ /1‘ /02‘ 07.950(H5‘ 1%‘ 7‘ ?((/7.)‘ (%2‘ 739‘ 0(5‘ %7 ‘ /02.2%1.2‘ @1: 9‘ 82‘ 41?H7.7/(Q2)‘ 275) F‘ B

:/‘ /02‘ (((15/‘ .2?7.>78 2‘ 5H2240‘ (3‘ /02‘ 41:.52‘ 1%‘ /02‘ 9287/2B‘ @75‘ /(7/‘ 1%‘ /02‘ 1.9‘ -.(Q)‘ 27 ‘ /02‘ :>2‘ 1%‘ .7%/13‘ 2‘ 079‘ @.(//23‘ 51?2‘ @22>5‘ H.2Q(1:5)‘ /1‘ 1.9‘ 1./0 B(3/(?7/(3;‘ 0(5‘ 413Q(4/(13‘ /07/‘ /02‘ H.2523/‘ 5/.:;;2‘ @(/0‘ /02‘ 41 13(25‘ @75‘ %.7:;0/‘ @(/0‘ .:(3‘ 739‘ 9(5;.742‘ 739‘ :.;(3;R‘ 0(?‘ /1‘ 791H/‘ (??29(7/2‘ ?275:.25‘ %1.‘ 2%%24/(3;‘ 7‘ .24134((7/(13‘ /.13;‘ 01@2Q2.‘ 75‘ @75‘ /02‘ 73;:7;2‘ (3‘ @0(40‘ 0(5‘ .742‘ 079‘ /023‘ 2MH.25 529‘ 0(?52 %‘ (3(5/2.5‘ 41: 9‘ 547.42)‘ 07Q2‘ 2MH24/29‘ 5:40‘ 7‘ 407/(52?23/‘ 75‘ /02)‘ @2.2‘ 781:/‘ P1‘ .242(Q2‘ %(R1?‘ /02(.‘ .2%.B74/1.)‘ 41 27;:2‘ N‘ 02‘ 1.9‘ -.(Q)‘ 27 0‘ @.(/25‘ D7H12‘ /1‘ 733‘ N‘ 9252./29‘ 739‘ 4/□‘ %(.29‘ 13‘ /02?0‘ 02‘ H1(4)‘ 57(9‘ /02‘ :>2‘ @0(40‘ %1.‘ /02‘ 75/‘ /@2 2?13/05‘ 079‘ 8223‘ 7HH(29‘ /1‘ ?2.(47‘ @75‘ ?15/‘ :3%1./:37/2‘ 1.‘ 0(?52 %‘ 02‘ 1H23)‘ 79?(//29‘ /07/‘ 02‘ 079‘ 8223‘ (3‘ @ 1.‘ /‘ @75‘ /.:2‘ 02‘ 57(9‘ /07/‘ 02‘ 079‘ 5:HH1./29‘ /02‘ 9?(3(5/.7/(13‘ /‘ 079‘ 8223‘ H7./)‘ 01@2Q2.‘ %.1?‘ /02‘ 01H2‘ /07/‘ 4134((7/(13‘ ?(;0/‘ %1 1@‘ 739‘ H7./)‘ %.1?‘ 07Q(3;‘ 8223‘ ?(5 29‘ 739‘ ?(5(3%1.?29‘ 75‘ /1‘ /02‘ /.:2‘ 5/7/2‘ 1%‘ ?2.(47‘ /07/‘ 02‘ 079‘ 8223‘ (39:429‘ /1‘ ;(Q2‘ 0(5‘ 41:3/237342‘ /1‘ ?275:.25‘ @0(40‘ 0H‘ 079‘ 32Q2.‘ .27)K‘ 7HH.1Q29‘ 739‘ (3‘ @0(40‘ 02‘ 41: 9‘ 31‘ 13;2.‘ /0(3>‘ 1%‘ 4134:3 3;‘ 2‘ @75‘ 31@‘ 413Q(3429‘ /07/‘ 31/0(3;‘ 501./‘ 1%‘ 7‘ .2H27‘ 1%‘ 7 ‘ /02‘ 4/5‘ 1%‘ -7.(7?23/‘ .2 7J /(3;‘ /1‘ ?2.(47‘ @0(40‘ 079‘ 8223‘ H7552 9‘ 5(342‘ !$#L‘ @1: 9‘ .25/1.2‘ H2742‘ 739‘ ;119R@(‘ 82/@223‘ /02‘ /@1‘ 41:3/.(25 3)‘ 8)‘ 51‘ 5@22H(3;‘ 7‘ .2H27‘ 41: 9‘ /02(.‘ 1.950(H5‘ 7Q2./‘ /0152‘ %27.%:‘ 41352I:23425‘ @0(40‘ 02‘ 73/(4(H7/29‘ @(/0‘ /02‘ :/?15/‘ ;.(2%‘ 739‘ 01..1.‘ 1‘ 5/.13;‘ 02‘ 4134 :929‘ @75‘ /0(5‘ 413Q(4/(13‘ /07/‘ 1/13)‘ @75‘ 02‘ H.2H7.29‘ /1‘ ;(Q2‘ 0(5‘ ?15/

92/2.?(329 1HH15(/(13/1 /02 %7/7 ?275:.25 79Q147/29 8) /02 (3(5/.) 8:/ 8.1>23 91@3/01:;0 02 @75 (3 027 /0 02 501: 9 %22 (/ 0(5 9:/) /1 413/(3:2 /1 H.255 0(5 Q(2@5 :H13 /02(. 1.950(H5 2Q23 /01:;0 02 501: 9 82 41?H2 29 /1 7//239 /02(. 1:52 (3 7 (//2. F

3 81/0 1:525 1% -7. (7?23/ /02 7HH27 5 /1 /02 %27.5 739 41??13 52352 1% (3(5/2.5 @2.2 75 :5:7 ?792 (3 Q7(3 3 /02 1:52 1% 1.95 /02 99.255 @75 47..(29 8) 7 7.;2 ?7G1.(/) X 3(32/223 H22.5 01@2Q2. 27Q(3;' 13 .241.9 7 51 2?3 H.1/25/ 7;7(35/ 5:40 H7./5 1% (/ 75 .2 7/29 /1 /02 H1 (4) 1% (3(5/2.5 B/1@7.95 ?2.(47 N D 2 47331/ 413523/ /1 73 99.255 0 4134 :925 /0(5 .2?7.>78 2 914:?23/ 0 @0(40 ?7) 9242(Q2 0(5 7G25/) 739 /02 H:8 (4 (3/1 7 82 (2% 1% /02 413%(92342 1% /0(5 1:52 (3 /02 H.2J 523/ (3(5/2.5 @01 07Q2 9242(Q29 -7. (7?23/ 9(5;.7429 /02 37/(13 15/ /0W 1 13(25 739 (3Q1 Q29 :5 (3 7 4(Q(@7. 7;7(35/ 1:. 927.25/ (3/2.25/5 739 :H13 /02 ?15/ :3G:5/(%(J 78 2 ;.1:395 X @73/13)' 5H((3;' /02 8 119 1% /01:57395 1% 1:. %2 1@R5:8G24/5 0 %

%2@ 97)5 7%/2. 07Q(3;' 92 (Q2.29 0(5 .2473/7/(13 (3 /02 1:52 1% 1.95 /02 :>2 1% .7%/13 .2/(.29 %.1?' /02 H15/ 1% 1.9 -.(Q)' 27 /0(5 H7./(3;' (3/2.Q(2@ @(/0 /02 (3;' (3 /02 .1)7 4 152/ 02 Q23/:.29 /1 23927Q1:. /1 (?H.255 :H13 0(5 1Q2.2(;3 /02 57?2 413Q(4/(135 @0(40 02 079 924 7.29 (3 -7. (7?23/ N 79929 0 @.(/25 /02 :>2 (3 0(5 2?10B5 N /07/ 92 :929 /02?52 Q25 0(5 (3(5J /2.5 @2.2 92 :9(3;' 0(5 7G25/) 02 (3;' Q1:4057%29 /1 9287/2 /02 8:5(3255 ?:40 7 7.;2 2 (3%1.?29 ?2 /07/ 7 7.;2 819)' 1% 2.?73 /.11H5 @75 /1 G1(3 1:. %1.425 739 7HH27.29 75/13(5029 @023 735@2.29 27.325/) /07/ 0(5 7G25/)' @1: 9 %(39 /11 7/2 /07/ /@(42 /07/ 3:?82.

F -7((5/ 1 MQ(((' 415 $!*' $!!' P

]' (1 5(;37/:.25 7//74029 /1 / 2 H.1/25/ 7.2<P 734025/2. 2Q1350(.2 029@1./0 1) 2 .7Q23 47.81.1:;0 % 3;07.7 14>(3;07?' (40?139 1..(3;/13 (/6R @((7?' .402.' 8732/' 01.71392 1)' (3;' -1./ 739 /7?%1.9 -1351:8)' 739 8(3;913 > I #' Q1(' MQ(((' 41 ' $+,

(‘ L$ Ƶ ‘ ‘ ‘ ‘ !+L

@1 : 9‘ 13)‘ (34.2752‘ /02‘ 9(5 ; .742 ‘ 739‘ 32Q2.‘ 2%%24/‘ 0(5‘ H : .H152 Ơ F

307HH( ) ‘ /02‘ ?(99 2‘ 75‘ @2 ‘ 75‘ /02‘ : HH2.‘ 4 75525‘ 1%‘ 514(2/)‘ /11>‘ 7/‘ /0(5F /(? 2 ‘ /02‘ 57 ? 2‘ 07.50‘ Q(2@‘ 1%‘ /02‘ 4139 : 4/‘ 1%‘ /02‘ ?2.(473‘ H21H 2‘ 75‘ 079‘ 8223‘ 791H/29‘ 8)‘ /02‘ (3 ;‘ 739‘ 0(5‘ (3(5/2.5 ‘ 441.9(3 ;)‘ 1)7 ‘ 799.25525 ‘ 23/(.2)‘ : 351 (4(/29‘ 8)‘ (3(5/2.5 ‘ H1 ? 29‘ (3 ‘ /1‘ /02(.‘ 7 ; .22J 78 2‘ 5 : .H.(52 ‘ %.1?‘ 7 ‘ H7./5‘ 1%‘ /02‘ >(3 ; 91 ? ‘ N‘ 1.9‘ 1./0 Ơ @.(/25‘ (8813 ‘ N‘ @75‘ 75‘ ? : 40‘ 5 : .H.(529‘ 7/‘ /02‘ %(.5/‘ /07/‘ 47 ? 2‘ : H ‘ 75‘ @2‘ 41 : 9‘ 02‘ 7/‘ 02%%(2 9 0

02‘ : >2‘ 1%‘ .7%/13‘ @75‘ 5 : 4422929‘ 75‘ 1.9‘ - .(Q)‘ 27 ‘ 8)‘ /02‘ 7. ‘ 1%‘ 7./ ? 1 : /0 ‘ @0152‘ .2 ? 1Q7 ‘ %.1 ?‘ /02‘ ? 2R‘ 1Q‘ S‘ .(473‘ 24.2/7.)50(H‘ ? 792‘ .11 ?‘ %1.‘ 1.9‘ 21. ; 2‘ 2. ? 7(32 1.9‘ 140%1.9‘ .25(; 3(3 ;‘ 5113‘ 7%/2.@7.95 ‘ 1.9‘ D 2) ? 1 : /0‘ @75‘ 7HH1(3/29‘ 24.2/7.)‘ 1%‘ /7/2‘ %1.‘ /02‘ 1 : /02.3‘ 2H7(B/R‘ ? 23/‘ (3‘ 0(5‘ H 742

5‘ 24.2/7.)‘ %1.‘ /02‘ 1 13(25 ‘ 1.9‘ 21. ; 2‘ 2. ? 7(32‘ @(‘ 82‘ %1 : 39‘ H 7)(3 ;‘ 51‘ 4135H(4 : 1 : 5‘ 7‘ H7./‘ 9 : .(3 ;‘ /02‘ .2 ? 7(392.‘ 1%‘ /02‘ %7/7 ‘ 413/25/‘ @(/0‘ ? 2.(47 ‘ /07/‘ 7‘ 8.(2%‘ 31/(42‘ 1%‘ /0(5‘ 1342‘ 42 28.7/29‘ H2.513‘ ? 7)‘ 31/‘ 82‘ : 37442H/J 78 2 ‘ 1.9‘ 21. ; 2 ‘ /0(.9‘ 513‘ 1%‘ (132 ‘ %(.5/‘ : >2‘ 1%‘ 1.52/ ‘ 5 : 852 I : 23/)‘ 8247 ? 2‘ /02‘ %7/02.‘ 1%‘ 07. 25 ‘ /02‘ %(%/0‘ 739‘ 75/‘ 9 : >2 X‘ 3‘ 0(5‘) 1 : /0‘ 02‘ 079‘ 2 ? (323/)‘ 9(5/(3 ; : (5029‘ 0(? 52 %‘ (3‘ /02‘ ?((/7.)‘ H.1%255(13 ‘ (5‘ ; 7 73/.)‘ 7/‘ /02‘ 87// 2‘ 1%‘ 2//(3 ; 23‘ 079‘ (39 : 429‘ 21. ; 2‘ /02‘ 24139 ‘ @0152‘ ; 19513‘ 02‘ @75 ‘ /1‘ 7HH1(3/‘ 0(?‘ 132‘ 1%‘ 0(5‘ 7(925R92R47 ? H ‘ 739‘ 7/‘ 13/231)‘ 02‘ @75‘ @1 : 3929‘ @0(2‘ 407. ; (3 ;‘ 7/‘ /02‘ 0279‘ 1%‘ 0(5‘ .2 ; (? 23/ ‘ 02‘ 7 : .2 5 ‘ 01@2Q2. ‘ @0(40‘ 02‘ 079‘ @13‘ 13‘ /0252‘ 739‘ 13‘ 1/02.‘ 14475(135 ‘ @2.2‘ 925/(329‘ /1‘ 82‘ /1.3‘ %.1 ?

F‘ 7. ‘ /7301H2B5‘ (5/ ‘ 1%‘ 3 ; 739 ‘ Q1 ‘ Q(‘ H ‘ !*$
/ ‘ 22‘ /02‘ 13913‘ 762//25‘ %.1 ?‘ !+‘ 2H/2 ? 82.‘ !$$V‘ /1‘ ,‘ 7.40‘ !$$# ‘ (34 : 5(Q2‘ X 739‘ 2//2.‘ %.1 ?‘ (8813‘ /1‘ .‘ 1 .1)9‘ 97/29‘ 4/182.‘ !S ‘ !$$V ‘ 7 55 ‘ <) T ‘ %1.(B5 ‘ H ‘ +$! ‘ 9(/(13 ‘ !"L$ ‘
(‘ : .(3 ;‘ /02‘ ; .27/2.‘ H1./(13‘ 1%‘ 0(5‘ (%2‘ 02‘ @75 >31@3‘ 75‘ 1.9‘ 21. ; 2‘ 74>Q(2 3‘ !$$* ‘ 01@2Q2. ‘ 02‘ 755 : ? 29‘ /02‘ 5 : .37 ? 2‘ 1%‘ 2. ? 7(32‘ 8)‘ 4/‘ 1%‘ -7. (7 ? 23/ ‘ H : .J 5 : 73/‘ /1‘ /02‘ @(5‘ 1%‘ (.‘ 103‘ 739‘ 79)‘ (6782/0‘ 2. ? 7(32 ‘ 1%‘ .7)/13 ‘ (3‘ /02‘ 1 : 3/)‘ 1%‘ 1./07 ? H/13

0(?' 8)' 8(5' 4179:4/' 13' /02' %(2 9' 1%' (3923' 13' /02' !5/' 1%' :;:5/' !$V,' 0.22' /(?25' 9:.(3;' /02' 87// 2' /02' 1.7?7392.R(3R 0(2%' -.(342' 2.9(3739' 1%' .:35@(4>' 079' 523/' 1.92.5' /1' 0(?' /1' 279' B/02' .(/(50' 47Q7.)' /1' /02' 407.;2' 739' 2740' /(?2' /0152' 1.92.5' Q2.2' %1.' 51?2' :37441:3/78 2' .27513' 9(5182)29' 0:5' /02' 23/(.2' 925/.:4J /(13' 1%' /02' .2340' 7.?)' @75' 2%/' :37441?H (5029' 739' /02' Q(4/1.)' .2392.29' (341?H 2/2' (02/02.' 1.9' 21.;2=5' 4139:4/' 13' /07/' 14475(13' @75' 7//.(8:/78 2' /1' H:5(73(J ?(/)' 1.' @02/02.' 75' 075' 8223'5:HH1529' /1' G27 1:5)' 1%' /02' .2H:/7/(13' 1%' -.(342' 2.9(3739' @(/0' @01?' 02' 079' .2423/)' 8223' 13' (' /2.?5' @(' H.1878)' 2Q2.' 413/(3:2' 7' ?7//2.' 1%' 91:8/' 1' 0(?52%' /02' 41352I:23425' @2.2' %7/7' 02' -.(342' 31/' 13)' ?792' 31' ?23/(13' 1%' 0(?'(3' /02' ;232.7' 1.92.5' 7%/2.' /02' 87// 2' 8:/' 2MH.25529' 0(5' 5:.H.(52' /1' 51?2' 1%%(42.5' 327.' 0(?' @023' (3' /02' 2Q23(3;' 1.9' 21.;2' H.2J 523/29' 0(?52%' 7/' 0(5' /78 2' N' 1.9' 21.;2=5' %7 0' @.(/25' D7H1 2' /1' 733' N(5' H.19(;(1:5X' 31819)' 5/119' 0(;02.X' 31819)' 075' ?1.2' 7?8(/(13' 1.' ?1.2' 52352 0' 02' 9(5;.742' @0(40' 02' 079' 23/7(29' 13' /02' .(/(50' 7.?)' 37/:.7)' 9.2@' 91@3' 13' 0(?' /02' (39(;37/(13' 1%' 0(5' %2 1@R41:3/.)?23' 21.;2' /02' 24139' 9(5?(5529' 0(?'%.1?' /02' 41??739' 1%' 0(5' .2;(?23/' 739' 92;.7929' 0(?' %.1?' 0(5' .73>' 1%' 232.7' 13' @0(40' 1.9' 21.;2' 92?73929' 7' 1:./R 7./(7'@0(40'@75'31/' .2%:529' 0(?' 441.9(3;)' 13' /02' +"/0' 1%' 28.:7.)' !$#*' /02' 24.2/7.)' 1%' D7.' 1.9' 7..(3;/13' 74I:7(3/29' /02' 1:52' 1%' 1??135' /07/' 132' 1%' /02(.' 2?82.5' @75' :392.' 7..25/' 3' /02' %1 1@(3;' 97)' /02' /.(7' 41??23429' 7/' /02' 1.52' :7.95' 32' ?(;0/' 07Q2' (?7;(329' /07/' (/' @1:9' 07Q2' .2I:(.29' %7.' ?1.2' .251 :/(13' /1' 7HH27.' 739' 92%239' 0(?52%' 82%1.2' 51' %1.J ?(978 2' 7' 41:./' 1%' 0131:.' /073' /1' 07Q2' 407.;29' (3/1' /02' 232?)=5' .73>5' 7/' /02' 87// 2' 1%' (3923' :/' 1.9' 21.;2' ?73(%25/29' 32(/02.'(..251 :/(13' 31.'9(5?7)' 3' /02' 413/.7.)' /02' :397:3/29' %.13/' @0(40' 02' 1HH1529' /1' 0(5' 744:52.5< /02' ;.27/' 78((/(25' @0(40' 02' 9(5H 7)29' 9:.(3;' /02' /.(7 < 75' @2 ' 75

0(5 9(5/(3;:(5029 827.(3;' 739 /7 ' 41?? 739(3;' %(;:.2< (3J
Q25/29 0(?' @(/0 73 7(.' 1% 9(;3(/)' @0(40 2M4(/29 /02 79?(.7J
/(13 2Q23 1% 0(5 232?(25' N .1?' /02 1:/52/' 739 9:.(3;' /02
@01 2 H.14255 0 @.(/25 D 7 H1 2' N02 755:?29 7 9(4/7/1.(7'
5/) 2 /1 /02 1:./ 739 /.27/29 /02 (3%2.(1.(/)' 1% /02(.' 47H7J
4(/(25 75 02 @1: 9 07Q2 9132 (% 5(//(3;' 7?13;5 /02?' 2
8.1@827 /02 @(/325525' ;7Q2 /02 (2 /1 1H2. F 739 :529
/02 :9;2R 9Q147/2' /01:;0 7 Q2.)' 4 2Q2.' ?73' @(/0 413J
/2?H/' 1/0(3;' @75 /(?(9' 1/0(3;' 0:?8 2 (3 0(5 82J
07Q(1:.' (5 .2H (25 @2.2 I:(4> 739 5H(.(/29' 2 H.2R/
54.(829 /1 /02 1:./' 739 /02)' 74I:(25429 0\' 2Q2./02 255'
/02 1:./ 413%(.?29 /02 G:9;?23/ 1% /02 (3;' 739 1% /02
H:8 (4X %(39(3;' 0(?' ;:(/)' 1% 07Q(3;' 9(5182)29 /02 1.92.5
1% -.(342 2.9(3739' 739 H.131:34(3;' 0(?' :3%(/ /1' 52.Q2 0(5
7G25/)' (3 %:/:.2' (3 73)' ?((/7.)' 47H74(/)' @07/2Q2.' /
/02 57?2 /(?2' /02 (3;' 1.92.29 0(5 37?2 /1 82 5/.:4> 1%%
/02 (5 1% -.(Q)' 1:34(1.5' 1./:37/2)' %1.' 0(?' 21.;2
/02 0(.9 /11> 7 ?1.2 23(23/ Q(2@ 1% 0(5 1%%2342 /073
21.;2 /02 24139 079 9132' 441.9(3;)' (3 242?82.'
!$#V' 02 @75 7HH1(3/29 132 1% /02 (42R .275:.2.5 %1.' .2J
739' 739 13 /02 !*/0 1% 1Q2?82.' !$$V' /1 /02 (39(;37/(13
1% ?73)' H2.5135' @75 31?(37/29 24.2/7.)' 1% /7/2 %1.' /02
?2.(473 1 13(25
:40 @75 /02 H.2Q(1:5 0(5/1.)' 1% /0(5 :3H1H:7.' 5/7/25J
?73' /1 @0152 G:9;?23/ 739 /7 23/5 @2.2 23/.:5/29 /02
%:/:.2 4139:4/ 1% 7 .:(31:5 @7.' 3 /(?25 255 H.2;373/
@(/0 9(%%(4:/(25 739 973;2.' 1.9 21.;2 2.?7(32
@1:9 91:8/ 255 07Q2 %(;:.29 31/ 13)' 75 73 2%%(4(23/'
8:/ 75 7 9(5/(3;:(5029 5/7/25?73' 01:;0 ;(%/29 @(/0
31 ;.27/ ;.75H 1% ?(39 31.' 1.(;(37(/)' 1% ;23(:5' 0(5
78((/(25 @2.2 :3I:25/(1378)' 1% 31 ?273 1.92.' (5 G:9;J
?23/ @75 :5:7)' 2M42 23/X 02 @75 5(3;:7.)' I:(4>' (3
41?H.20239(3;' /02 ?2.(/5 1% 73)' H7./(4:7.' I:25/(13' 739 @75

.7H(9‘ 75‘ @2 ‘ 75‘ 41(.24/‘ (3‘ 4139:4/(3;‘ /02‘ 8:5(3255‘ 1%‘ /02‘ 24.2/7.)=5‘ 2H7./?23/‘ (5‘ H1(/(47‘ 41:.7;2‘ @75‘ 32Q2.‘ 47 29‘ (3‘ I:25/(13‘ 1.21Q2.‘ 02‘ @75‘ (3‘ /02‘ 0(;025/‘ 92;.22‘ 5/.7(;0/%1.@7.9‘ 02.2‘ @75‘ 31/‘ 7‘ ;.7(3‘ 1%‘ 9:H(4(/)‘ (3‘ 0(5‘ 9(5H15(/(13‘ /‘ @75‘ 57(9‘ 1%‘ 0(?‘ 8)‘ N (3; 2R5H2240O‘ 7?(J /13‘ /07/‘ /02.2‘ @75‘ N‘31‘/.750‘(3‘ 0(5‘ ?(39 O‘ 739‘ (407.9‘ :?J 82.739‘ @01‘ 52.Q29‘ :392.‘ 0(?‘ 7/‘ /02‘ 17.9‘ 1%‘ .792‘ 075‘ 9132‘ G:5/(42‘ /1‘ 0(5‘ N 924(5(13‘ 739 925H7/40‘ 1%‘ 8:5(3255 O‘ 3‘ /02‘ 1:52‘ 1%‘ 1??135‘ 02‘ @75‘ 7 @7)5‘ (5/2329‘ /1‘ @(/0‘ 7//23/(13‘ 739‘ .25H24/‘ 01:;0‘ %7.‘%.1?‘ 82(3;‘ 73‘ 2 1I:23/‘ 1.‘ 7‘ 8.((73/‘ 5H27>2.‘ 02‘ @75‘ 73‘ 2M42 23/‘ 9287/2.‘ (5‘ 73J ;:7;2‘ @75‘ /02‘ ?15/‘ 5(?H 2‘ 2‘ 32Q2.‘ 5H1>2‘ 2M42H/‘ /1‘ /02‘ H:.H152‘ 3‘ 4134(523255‘ 739‘ (3‘ /02‘ H2.5H(474(/)‘ @(/0‘ @0(40‘ 02‘ 2MH 7(32B9‘ 0(?52 %‘ 02‘ 075‘ .7.2)‘ 8223‘ 5:.H75529

1 9‘ (3‘ 0(5‘ ?7332.5‘ :.(4134((7/(3;‘ (3‘ 0(5‘ (3/2.41:.52‘ @(/0‘ 1/02.5‘ 1%‘ 7‘ ;.7Q2‘ 739‘ /01:;0/%:‘ /132‘ 1%‘ ?(39‘ 739‘ >22H(3;‘ 7 11%‘ %.1?‘ 7‘ @1. 9‘ @0(40‘ 522?5‘ /1‘ 07Q2‘ /7>23‘ 7‘ 4135/73/‘ H 275:.2‘ (3‘ .2?(39(3;‘ 0(?‘ 1%‘ 739‘ 2Q23‘ 2M:/(3;‘ 1Q2.‘ 0(5‘ 9(5;.742‘ (/‘ @75‘ 31/‘ :337/:.7‘ /07/‘ 1.9‘ 21.;2‘ 2.?7(32‘ 501:9‘ 07Q2‘ 8223‘ .2;7.929‘ 8)‘ 0(5‘ 413/2?H1.7.(25‘ 75‘ 7‘ ?73‘ @.7HH29‘ :H‘B(3‘ H.(92‘ 739‘ ?(573/0.1H)‘ @(/01:/‘ 5)?H7/0(25‘ 739‘ 7 ?15/‘ @(/01:/‘ 7‘ 027./‘ 2Q2./02 255‘ 0(5‘ /2?H2.‘ @75‘ H 74(9‘ 0(5‘ 9(5H15(/(13‘ 8232Q1 23/‘ 3‘ /02‘ 514(2/)‘ 1%‘ /02‘ %2@‘ H2.5135‘ @01?‘ 02‘ 1Q29‘ 31‘ 132‘ 41:9‘ 82‘ ?1.2‘ 4022.%:‘ 31.‘ 2Q23‘ ?1.2‘ %754(37/(3;‘ /‘ (5‘ (?H155(8 2‘ (39229‘ /1‘ H2.:52‘ /02‘ 2Q(92342‘ 1%‘ 0(5‘ H.(Q7/2‘ Q(./:25<1%‘ 0(5‘ :315/23/7/(1:5‘ ‘H(2/)<0(5‘ 4135/73/‘ 739‘ @2 R/(?29‘ 407.(/(25<0(5‘ 925(.2‘ /1‘ 522‘ 0(5‘ 92H23923/5‘ 5?((3;‘ 739‘ 07HH)</02‘ 4022.%:‘ .25(;37J /(13‘ @(/0‘ @0(40‘ 02‘ 239:.29‘ /02‘ /1./:.25‘ 1%‘ 7‘ %7/7‘ 739‘ 2M4.:J 4(7/(3;‘ 9(51.92.‘ 739‘ /02‘ 0.(5/(73‘ %1./(/:92‘ @(/0‘ @0(40‘ 02‘ ?2/‘ 0(5‘ 239<@(/01:/‘ 7‘ 925(.2‘ /1‘ 91‘ 51?2‘ G:5/(42‘ /1‘ 132‘ @01‘ @75‘ 755:.29)‘ /11‘ 07.50)‘ G:9;29‘ (3‘ 0(5‘ (%2R/(?2‘ 739‘ @01‘ 7%/2.‘ 7 ‘ ?7)‘ 07Q2‘ 8223‘ @.13;%:)‘ 744:529‘ N‘ ‘@75‘ H.2523/ O‘ @.(/25‘ :?82.739‘ N@0(5/‘ /02‘ 1)‘ 74.7?23/‘ @75‘ 79J ?(3(5/2.29‘ /1‘ 0(?‘ /@1‘ 97)5‘ 82%1.2‘ 0(5‘ 927/0‘ 2‘ 47:529

0(5' PQ(391@5' 739' 829R4 : . /7(35' /1' 82' /0 . 1@3' 1H23 ' 739' 2M2 . /29' 0(? 52 %' /1' /02' : / ? 15/' 13' /07/' 7@% : ' 14475(13 ' 2' . 242(Q29' /02' 2 2 ? 23/5' @(/0' 7' 92Q1/(13' 739' %2 . Q9(: =' 2MH . 255(Q2' 1%' 5 : 40' (3@7 . 9' H2742' 739' 2Q23' ; 793255' 1%' 027 . / ' 75' 7 . 2' /02' 5/ . 13 ; 25/' 1%' 7 ' 0 : ? 73' 2Q(923425' 1%' 73' 275)' 41354(2342' 739' 7' @2 R' H . 2H7 . 29' ? (39 0' 02' 75/' @1 . 95' @0(40' 02' 799 . 25529' /1' : ? 82 . 739' 2Q(342' /07/ ' @07/2Q2 . ' ? 7)' 07Q2' 8223' 0(5' H1 (J /(47 ' 2 . . 1 . 5 ' 0(5' (3/23/(135' 7/' 275/' 079' 8223' . (; 0/21 : 5 ' N' 1 :' 522' ? 2' 31@ 0' 02' 57(9 ' N' (3' /0152' ? 1 ? 23/5' @023' 31' 9(5 ; : (52' @(' 52 . Q2 ' 739' @023' /02' 5H(. (/' 1%' 7' ? 73' ? : 5/' 82' H . 1Q29 ' ' 07Q2' 7' ? (39' H2 . %24/)' . 25(; 329 ' 739' 7/' H2742' @(/0(3' (/52 %' ' 07Q2' 31' ? 1 . 2' /1' 91' @(/0' /0(5' @1 . 9 ' 739' @07/' !' 07Q2' 9132' (3' (/ ' ' 07Q2' 9132' %1 . ' /02' 825/ ' ' 01H2' 739' / . : 5/' ' 7 ?' H . 2J H7 . 29' %1 . ' /02' 32M/ ' 2 ' ? 2' 31/' 1%' 7 ' /07/' H75525' (3' 027 /0' 739' H . (92' 1%' 027 . / ' 0252' 7 . 2' /02' ? 1 ? 23/5' (3' @0(40' 7' ? 73' ? : 5/' 82' 527 . 4029 ' 739' . 2 ? 2 ? 82 . ' /07/' ' 9(2 ' 75') 1 :' 522' ? 2 ' 07HH)' 739' 413/23/ 0' F

1/@(/05/739(3 ;' /02' %7(: . 2' 1%' %1 . ? 2 . ' 7//2 ? H/5' /1' 7 . 1 : 52' /02' 2 ; (5 7/ : . 2' /1' 7' 52352' 1%' (/5' 973 ; 2 . ' : . >2 ' 13' /02' !#/0' 1%' 1Q2 ? 82 . ' ? 1Q29' %1 . ' H2 . ? (55(13' /1' 8 . (3 ;' (3/1' - 7 . (7 ? 23/' 731/02 . ' 739' Q2 .)' (? H1 . /73/' (' %1 . ' /02' H : . H152' 1%' N' 41 ? J H15(3 ;' /02' H . 2523/' / . 1 : 8 25 ' 739' I : (2/(3 ;' /02' ? (395' 1%' 0(5' 7G25/)=5' 5 : 8G24/5' (3' ? 2 . (47 0' 02' H . (34(H7 ' 18G24/5' @0(40' 02' 79Q147/29' @2 . 2' N' /02' . 23 : 34(7/(13 ' 13' /02' H7 . /' 1%' . 27/' . (/7(3 ' 1%' /02' 2M2 . 4(52' 1%' /7M7/(13 ' @(/01 : /' (3/2 . %2 . (3 ;' @(/0' /02' I : 25/(13' 1%' . (; 0/X' 0' /02' . 2H27 ' 1%' /02' 1831M(1 : 5' 9 : /)' 13' /27 ' (? H1529' (3' ! $#$' X' 739' 7' ; 232 . 7 ' H7 . 913' %1 . ' H75/' H1 (/(47 ' B1%%23425 ' 02' (' (39229 ' H . 1H1529' /1' . 2/7(3' /02' H1@2 . ' 1%' 2Q)(3 ;' 9 : /(25' %1 . ' /02' . 2 ; : 7/(13' 1%' 41 ? ? 2 . 42 ' 8 : /' 13' /0W' 1/02 . ' 0739 ' (/' H 7429' 7/' /02' 9(5H157 ' 1%' /02' 52Q2 . 7 ' 232 . 7 ' 552 ? 8 (25' @07/2Q2 . ' ? 132)5' ? (; 0/' 82' 51' 41 24/29 ' 75/)

F' 1 . ' 7441 : 3/5' 1%' / (2' H . (Q7/2' Q(. / : 25' 739' 514(7 ' I : 7 (/(25' 1%' 1 . 9' 21 . ; 2' 2 . ? 7(32 ' 522' 45 ' < 4 ' ' I 4 ' Q1 ' (' H ' L , L ' n4 ' 739' Q1 ' ((' H ' +L$ ' n4' ' 7 51' - = ' I) ' < 4 ' ' ' " ' 4 ' Q1 ' ((' H ' !V$ ' n4' 1 . 9' 21 . ; 2 ' @01' @75' . 7(529' /1' / (2' H22 . 7 ; 2 ' 8)' /02' /(/ 2' 1%' (541 : 3/' 74>Q(2 ' 13' /02' ! ! /0' 1%' 28 . : 7 .)' ! $"+ ' 9(29' 13' /02' +#/8' 1%' H . (' !$" V' (3' /02' 52Q23/(2/0') 27 . ' 1%' 0(5' 7 ; 2

(/ .241? ?23929/02 01 9(3;1% 7 13;.255 0).1)7 7:/01.(/) %1./02 H:(RH1521% 79G:5/(3;2M(5/(3;9(%%2.23425 739.25/1.(3; ;119R@(82/@223 /0i /@1 41:3/.(25 3 Q7(3 01@2Q2. /02 (:5/.(1:5 H0(73/0.1H(5/ H.25529 0(5 @(52 739 5(?H 2 ?275:.2 13 /02 7//23/(13 1% 0(5 027.2.5 / @75 15/ 8) 7 %7/7 ?7G1.(/) 1% /@1 0:39.29 739 /23 /1 132 0:39.29 739 %(Q2

3 /02 ?273 /(?2 (3(5/2.5 @2.2 23;7;29 (3 H.2H7.(3; 731/02. %7/7 ?275:.2 7%/2.@7.95 ?2?1.78 2 75 N 1.9 1./0=5 -.10(8(/1.) (0 @0(40 13 /02 +*/0 1% 1Q2?82. /02 -.2?(2. 5:8?(//29 /1 /02 1:52 1% 1??135 F)/02 H.1Q(5(135 1% /0(5 (7 /.792 739 41??2.42 @(/0 /02 0(./223 3(/29 1 13(25 @2.2 (3/2.9(4/29 / 7:/01.(529 /02 52(6:.2 @02/02. (3 07.81:. 1. 13 /02 0(;0 5275 1% 7 Q2552 5 7923 @(/0 ?2.(473 H.1H2./) 739 75/) (/ 413/7(329 7 H.1Q(5(13 5:852I:23/) 9231:3429 (3 /02 1:52 1% 1.95 75 7 N.2%(32?23/ (3 /).733) 0 @0(40 .2392.29 7 H2.5135 /7>23 13 817.9 ?2.(473 Q2552 5 (78 2 /1 82 23/2.29 75 57(1.5 13 817.9 .(/(50 50(H5 1% @7. 739 /1 52.Q2 (% .2I:(.29 7;7(35/ /02(. 1@3 41:3/.)?23 1/ @9/05/739(3; 7 Q(1 23/ 1HH15(/(13 @0(40 /0(5 7.8(/.7.) ?275:.2 ?2/ @(/0 %.1?7 7 %2@ 318 2 5H(./5 (3 /02 13P2 1% 1??135 (/ @75 47..(29 (3 /07/ 552?8) 8) 7 ?7G1J .(/) 1% 132 0:39.29 739 /@2 Q2 /1 5(M/223 % D 2 ?(;0/ 1.9 735%(2 9 2M4 7(?(3 /02 -1:52 1% 1.95 /07/ .27/ .(/7(3 N 079 H75529 /02 :8(413 0 .27/ .(/7(3 7.;:29 /02 (?H755(Q2 7@)2. @75 G:5/(%(29 (3 5:8G:;7/J (3; 02. 1 13(25 8) 73) ?2735 @(/0(3 02. .2740 F N) 1.95 0 02 57(9 N I:1/(3; /02 @1.95 799.25529 8) 7 @29(50 232.7 /1 0(5 ?23< ^ 1:522 /02 232?) 82%1.2)1: %)1:91 31/ >(/02? /02) @(>( )1: =0 D 2 ?(;0/ /02 1.9 02 8:.32 2M4 7(?<c ?" 7 " " # " # 8@ D 2

?(; (/' (/' 82' 57(9' 8)' 132B 1/' /02' 78 25/' 79Q147/25' 1%' ?2.(473' .(;0/5' /07/' .27/' .(/7(3' 7 .279)' 92/25/29' (3' /02' 75/' @1: 9' 31@' 82' 2M24.7/29' 13' 81/0' 5(925' 1%' /02' ; 182 F' 02' 079' .24> 255)' 7 ?15/' @(4>29)' /0.1@3' 7@7)' /02' 5478J 87.9' 02R079' ?73(%25/29' /1' 7' 8.7Q2' 739' %.22' H21H 2' /07/' 31' /2.?5' 501./' 1%' R73 7851 :/2' 739' :34139(/(137' 5:..2392.' 1%' /02(.' .(;0/5' @1: 9' 57/(5%)' 02.' 07:;0/)' 92?7395' 1' 7 /2.37/(Q2' /02.2%1.2' @75' 2%/' /1' /02' ?2.(4735' 0:/' 2(/02.' /1' 7;(=22' /1' @27.' /02' %2//2.5' @0(40' /02)' (?7;(329' /07/' /02' H7.23/R41:3/.)' B@75' %1.;(3;' %1.' /02?' 1.' 2 52' /1' 924 7.2' /02?52 Q25' (3' /02' %742' 1%' /02' @1. 9' 7' .22' 739' 392H23J 923/' H21H 2' 739' /1' 91' 87// 2' %1.' /02(.' (82./(25' /1' /02' 927/0 ' :40' (3' %74/' @75' /02' 4135:??7/(13' @0(40' @75' %75/' !$$a' 7HH.1740(3;' 3' Q7(3' 9:.(3;' /02' .2?7(392.' 1%' /02' 27513' @75' 2%%1./' 7%/2.' 2%%1./' ?792' (3' 81/0' 1:525' 1%' -7.(7J ?23/' /1' 7.1:52' /02' 2;(5 7/:.2' /1' 7' 52352' 1%' (/5' (3%7/:7J /(13' 739' /02' H21H 2' 1' 3; 739' /1' 7' >31@ 29;2' 1%' /02(.' 973;2.' 3' Q7(3' /02' (:5/.(1:5' 7?923' 9231:3429' /02' (?H239(3;P' @7.' 75' 7' N' @73/13' 4.:2' 739' 9(781 (47' O' 132' 3' Q7(3' 1Q2.' 739' 1Q2.' 7;7(3' (/' @75' 75>29' @02/02.' (/' @75' (3' /02' 37/:.2' 1%' /0(3;5' /07/' 51' Q75/' 7' 413/(323/' 75' (32.(47 < 7' 413/(323/' 9(5/(3;:(5029' 8)' /02' ?7;3(%42342' 1%' (/5' .(Q2.5' 739' /02' H.19:4/(Q23255' 1%' (/5' 51(' 739' 5:5/7(3J (3;' 7' 8.7Q2' 739'.7H(9)' (34.275(3;' H1H: 7/(13 < 501: 9' 13;' 413/(3:2' 5:8G24/' /1' /02' .(/(50' H1@2.' /' @75' (3' Q7(3' /07/' 07.25' 1M' (3' /02' 1:52' 1%' 1??135' ?1Q29' %1.' 73' 3I:(.)' 28R ' (3/1' /02' 47:525' 1%' /02' (R5:44255' 1%' /02' .(/(50' 7.?5' (3' 1./0

' 3' P ' 852.Q7/(135' 13' /02' :5/(42' 739' -1 (4)' 1%' D 7.' @(/0' ?2.(47 O')' .' (407.9' R' -.(42' 0(5' /.27/(52' 18/7(329' %1.' (/5' 7:/01.' /02' /073>5' 1%' /02' 4(/(6235' 1%' 13913' 75' Q%2 ' 75' /02' %.2291?' 1%' /02' 4(/)' @0(40' @75O' H.2523/29' /1' 0(?' (3' 7' ;1 9' 81M' 01./)' 7%/2.' /02' H:8 (47/(13' 1%' /0(5'/.27/(52' /02' :>2' 1%' :?82.739' 07HH23(3;' /1' ?22/' .' -.(42' (3' /02' 188)' 1%' /02' 1:52' 1%' 1.95' @75' (39:429' /1' H7)' O(?' 7' 0(;O' 41?H(?23/' 10' (/5' ?2.(/5' N ' 57/' :H' 51' 7/2' 75/' 3(;0/' .279(3;' (/ O' 57(9' /02' :>2' N /07/' @75' 7 ?15/' 8 (392(0 < N ' 7?' 51..) O' 57(9' :(?(3;' @01' @75' 5/739(3;' 8)' N' /07/')1:.' .1)7' 0(;03/55' 501: 9' 07Q2' 8223' 51' 7%%24/29' 8)' 7' @1.>' @0(40' 075' 1H2329' /02' 2)25' X1%' 7 ?15/' 2Q2.)' 132' 2 52 O' & ' I ' ' C ' Q1 ' ((' H' L!$' G' S/0= 9(/(13a

' 0 6' 6'

?2.(47' 3' Q7(3' 02' 23927Q1:.29' 8)' 0(5' 8.((73/' 2 1J I:2342' /1' 7.1:52' 0(5' 7:9(2342' /1R7' 52352' 1%' 973;2.' (%' 31/' 1%' 507?2' /' @75' (3' Q7(3' /07/' 02' 2MH1529' /1B .(9(4: 2' 739' 541.3' /02' (341?H2/234)' 1%' /02' .(/(50' ;232.7 5' (3' ?2.(47' X /07/' 02' 9231(?429' /02' :35>(%: 3255' 1%' /02(.' 7/2' 1H2.7/(135' 739' H.1H025(29' /02' %7(:.2' 1%' %:/:.2' 1325' 02.2' 079' 8223' H2.H2/.7/29' 02' 57(9' 2(/02.' ;.155' (;31.7342' 739' (347H74(/)' 1.' 2 52' ;.155' 32; (;2342' (/02.' /02' 8 7?2' 7)' @(/0' /02' ?((/7.)' 739' 37Q7' 41??7392.5' 1.' 2 52' @(/0' /02' (3(5/2.5' @01' 079' 2?H 1)29' /02?' 3' 2(/02.' 4752' /02' 41:3/.)' 079' 7' .(;0/' /1' 82' (3%1.?29' @01' @2.2' /02' .27' 4:H.(/5G(3' 1.92.' /07/' /02' 2Q(' ?(;0/' 82' .2?29(29' -:8(4' G:5/(42' 92?73929' /02' 23I:(.)' 739' 3132' 8:/' /02' ;:(/)' @1:9' 50.(3>' %.1?' (3J Q25/(;7/(13' %' 02' 79929' 1:.' 232.7 5' 709' 9?(.7 5' 7.2' 8 7?2 255' (5' (/' %7(.' /07/' /1' 0(92' 1.' H7 (7/2' /02' 8:392.5B /02' %1 (25' /02' 507?2%((' 739' @.2/4029' (378((/)' 1%' 1/02.5' /02' (331423/' 501:9' 82' 5799 29' @ 0' /02' 9(5;.742' @0(40' 7//74025' /1' %7(:.2c' 1M=5' ?1/(13' @75' 32;7/(Q29' 8)' 7' ?7G1.(/)' 1%' 132' 0:39.29' 739' /0(./)R5(M F' 1/' 255' :35:4J 4255%:' @75' 7' %(37' 739' 7%%24/(3;' 7//2?H/' ?792' 8)' /02' :>2' 7.'!S' 1%' .7%/13' /1' H.2Q23/' /02' %:./02.' 2%(:5(13' 1%' 8 119' X /0(5' 82(3;' /02' 75/' (?H1./73/' 9287/2' 1%' /02' 5255(13 BT=' 3' /02' !V/0' 1%' H.(' /02' 1:52' 1%' 1.95'57/' (3'G:9;?23/' 13' /02' 31/1.(1:5' :40255' 1%' (3;5/13' 739' 13' /02' +L.9' 1%' 7)' /02' 5255(13' @75' 924 7.29' /1' 82' 7/' 73' 239

D 2' ?:5/' 31@' .2Q2./' /1' /02' 5/7/2' 1%' 7%%7(.5' 13' /O2' 1/02.' 5(92' 1%' /02' /73/(4' 3' 15/13' 4 152)' 8 14>7929' 8)' /02' ?2.(4735' :392.' 232.7' D750(3;/13' /02' .(/(50' .2;(?23/5' 079' 8223' 41?H2 29' /1' 239:.2' 7' /02' /29(:?' 739' 9(541?J %1./5' 1%' 7' 13;' @(3/2.' 739' 1%' 73' (;31?(3(1:5' 4135/.7(3/' 3' 73797' ?1.2' 5/(..(3;' 2Q23/5' 079' /7>23' H 742' D023' @2' !$$V' 75/' /11>' 27Q2' 1%' /07/' 41:3/.)' /02' %1./5' 1%' (41392.1;7' 739

F' +S*' /1' !*S' -7.(' (5/' Q1' MQ(((' 41' !!SL' /1' !!V#
%' -7.(' (5/' Q1' MQ(((' 41' !+S$' n4' 02' :>2=5' H 73' 1%' 4134((7/(13' @75' .2G24/29' 0)' ,!' 7;7(35/' L!' Q1/25

P ' "$ Z ' -' ' c' L' !L!

.1@3' -1(3/' 079' 8223' 47H/:.29' 8)' (B31 9' 739' /073' (23'
232.7' 7. 2/13' 079' 50:/' 0(?52 %' :H' (3' 1./' /' 103
02' ?2.(473' 13;(B255' 079' 1.(;(37)' .2H:9(7/29' /02' ((R'
.:H/(13' 1%' /02' N .223' 1:3/7(3' 1)5'O' (3/1' 73797' 8:/' 75'
(/' @75' :3 (>2)' /07/' /02.2' 501: 9' 7;7(3' 144:.' 51' %7Q1:.78 2'
73' 1HH1./:3(/)' 1%' 47..)(3;' @7.' (3/1' /02' 027./' 1%' /07/' -.1RP'
Q(342' /02)' 40152' /1' 791H/' /02' 413Q23(23/' H.2/2M/' /07/'
' 2:2(B7' 7. 2/13' @75'H.1G24/(3;'/02'(3Q75(13'1%'/02' ?2.(473'
/2..(/1.(25' 739' 925H7/4029' /0.22' /01:5739' ?23' /1' /02' 7(9' 1%'
.31 9' 739' /073' 23' 02' 2MH29(/(13' @75' H 7429'
:392.'/02' 41??739'1%' 232.7 5' 40:)2.' 739' 13/;1?2.)X
/02(.'1.92.5' 82(3;'N/1'/7>2' H155255(13'1%' /' 103=5' 13J
/.27' 739' /1' H:.5:2' 73)' 1/02.' ?275:.25' (3' 73797' @0(40'
?(;0/' 07Q2' 7' /239234)' /1' H.1?1/2' /02' H2742' 739' 524:.(/)'
1%' /02' ?2.(473' 1 13(25 O' 3' 2M24:/(13' 1%' /0252' (3J
5/.:4/(135' /02' ?2.(473' ;232.7 5' 79Q73429' /1' 7>2'
07?H 7(3' @02.2' /0P' /11>' H155255(13' 1%' 5 2' 7:M' 1(M'
8:/' @2.2' .2H:529' (3' 73' 7//74>' 13' /' 103=5' /' /0(552H/' 2'
/(?2' (RO27 /0' 41?H2 (3;' 232.7' 40:)2.' /1' .2/:.3' /1'
873)' /02' 51 2' 41??739' 1%' /02' 2MH29(/(13' 92Q1 Q29' 13'
13/;1?2.)' (/01:/' 92 7)' /07/' 81 9' 739' 78 2' ;232.7'
7(9' 5(2;2' /1' 1./5' 07?8#2' 739' /' 103' 5(/:7/29' 781:/'
%(Q2' ?(25'.1?' 2740' 1/02.' 02' %1.?2.' 413/7(3(3;' 7' 7.;2'
7?1:3/' 1%' 7??:3(/(13' 1%' @0(40' /02' ?2.(4735' 5/119' ;.27/)'
(3' @73/' @75' .29:429' (3' %(%/223' 97)5' 02' 7//2.' H 742' 1Q' L'
82(3;'(R5:HH (29'@(/0' H.1Q(5(135' 739' 7??:3(/(13' 47H(/:J
7/29' 501./)' 7%/2.@7.95'P 13/;1?2.)' /023' 79Q73429' (3'
/.(:?HO' /1' 13/.27

%' /07/' ;7 73/' 739' 7441?H (5029' 51 9(2.' (407.9' 13/J
;1?2.)' 7' H755(3;' 31/(42' ?7)' 31/' 82' :37442H/78 2' 1.3' (3'
/02' 1./0' 1%' .2 739' (3' !L' 02' 079' %1.?2.)' 02 9' 7' 41??(5J
5(13' (3' /02' .1)7' 7.?)' 739' (3' 799(/(13' /1' 1/02.' 9(5/(3;:(5029'
?((/7.)' 52.Q(42' 079' %1:;0/' :392.' 1%2' 7/' /02' 87// 2' 739'
47H/:.2' 1%' A:2824' (342' /023' 02' 079' 791H/29' ?2.(47'
75' /02' 41:3/.)' 1%' 0(5' 7%%24/(135' 739' 41352I:23/)' @023' 502

' +

/11>' :H'7.?5' 7;7(35/' /02' ?1/02.R41:3/.)' 02' N'579)'739' .2 :4/73/)O 7442H/29' 132' 1%' /02' 2(;0/' .(;79(2.R 232.7 J 50(H5' @0(40' 13;.255' 79929' /1' /02' 41?H 2?23/' 1%' /02' ?2.(473' .?)' 7Q(3;' (>2' D750(3;/13'52/' 0(5' 027./'13' 92Q1/(3;' /02' .2?7(392.' 1%' 0(5' 97)5' /1' /02' H:.5:(/' 1%' 7;.(J 4:/:.2'739' /02' 9:2' 9(5407.;2' 1%' 0(5' 514(7'9:/(25' /02' ;7 73/' 51 9(2.' 079' .2/(.29' @(/0' 7' %7(.' 739' 32@)R?7..(29' @(%2' 7' 5(5/2.' 1%' /02' 42 28.7/29' 182./' 739' 9@7.9' (Q(3;5/13'/1' 02(38740' 73' 25/7/2' @0(40' 02' 079' H:.407529' (3' /02' -.1J Q(342' 1%' 2@' 1.>' 2(;0/)' ?(25' 7@7)' %.1?' /02' 2?H(.2R 4(/)' %/23' 9(9' 9@7.9' (Q(3;5/13'/023' 7' 40(9' 1%' 3(32')27.5' 19' .247' (3' 7/2.' 97)5' /02' 75/' 2Q23(3;' @0(40' (407.9' 13/;?2.)' H7552 9' @(/0' /0152' @01?' 02' 1Q29' (3' /02' (//2' H7.1:.' 7/' 02(38740' N /' @75' G:5/O 02' @.(/25' N'82%1.2' 232.I' 13/;1?2.)' 2%/' %1.' 73797' D2' @2.2' 13)' /0.22' (3' /02' .11?' X 02' P)' 5(5/2.' 739' ?)52 %' 2' @75' 5(//(3;'(3' 7' ?:5(3;' 7//(/:92' 82/@223' 0(5' @(%2' @01' 579' 739' 5(23/' 522?29' /1' 82' .279(3;' /02' %:/:.2' 739' ?)52 %' @0152' 40(9(50' 79?(.7/(13' @75' 9(Q(929' 82/@223' /02' ;(//2.J (3;' :3(%1.?' 739' /02' ?7./(7' 827.(3;' 1%' 0(?' @01' @1.2' (/' @023' 7' 1%' 7' 5:9923' /02' 5(2342' @75' 8.1>23' 8)' 13/J ;1?2.)=5' 922H' Q1(42' .2H27/(3;' /02' %1 1@(3;' (32 <

^RRRRRRFK (5'7'?79'@1.9'?)'?75/2.5=

^ '1342' /01:;0/' 51X 31@' '>31@' (/ ± 02' /132' /02' @1.95' /02' 4(.4:?5/73425' 7' 1Q2.7@29' ?2' 739' ' 31(52 255)' .2/(.29 O 9@7.9' (Q(3;5/13' 32Q2.' 027.9' 0(5' Q1(42' 7;7(3' (5' @(%2' 7441?H73(29' 02.' N'51 9(2.O 75' 502' 2Q2.' 7%/2.@7.95' 47 29' 02.' 0:58739' 75' %7.' 75' 7.7/1;7'@02.2' /02)' 8792' 2740' 1/02.' 7' 75/' 79(2:' N 1:' 507' 32Q2.O @2.2' 0(5' H7./(3;' @1.95' N07Q2' 47:52' /1' 8:50' %1.')1:.' 13/J ;1?2.)O (

3' /02' ?273' /(?2' /073' 23' @(/0' 7' %1.42' 1%' 132

0:39.29' 739' %(%/)' ?23' 079' 79Q73429' /1' 13/.27 P' (3' /02' 01H2' 1%' 82(3;' 78 2' /1' /7>2' /07/' 4(/)' 8)' 5:.H.(52' 0i' 2MH29(/(13' 01@2Q2.' 2341:3/2.29' 5(;37' (R5:44255' /073' 23'@75' ?2/' 739' 92%27/29' 8)' 7' 92/740?23/' 1%' /02' /@23/)R' 5(M/0' .2;(?23/' 739' 07Q(3;' 8223' /7>23' H.(5132.X' @75' 523/' 13' 817.9' 7' Q2552' 1%' @7.' (3' @0(40' 02' @75' 47..(29' 0739J 4:%%29' 739' %2//2.29' /1' 3; 739 F' N 2Q2.7' 7379(735 0' @.(/25' 7' 413/2?H1.7.)' ?2.(473' N @2.2' /7>23' H.(5132.5' @(/0' 1 132' 23' @01?' /02' 2;:7.' %%(42.5' 57(9' /02)' @1: 9' H:/' /1' 927/0'X' 13' @0(40' 23' 5/2HH29' :H' 1H2329' 0(5' 8.275/' 739' 57(9' /02' 7379(735' @2.2' 31/' /1' 8 7?2'X' /07/' 02' 8.1:;0/' /02?' /02.2'X' 739' (%' 73)' 819)' ?:5/' 82' ?:.92.29' 2/' (/' 82' 0(?' 0(5';1/' 0(?';.27/' 4.29(/' @(/0' 7 ' /02' 1%%(42.5' 7/' 13/.27 ' 739' 7. 2/13' 0(?52 %' 57(9' (/' @75' 7' H(/)' 7' ?73' 1%' 23=5' 5H((3/' 501:9' 82' 23;7;29' (3' 51' 879' 7' 47:52' 75' 02' 47 5' (/' 1 132' 23' (5' H.(5132.' 13' 817.9' /02' 75H22' 8.(;' 82%1.2' 13/.27 P=%' 13/;1?2.)' 01@2Q2.G' 31/0(3;' 97:3/29' 8)' /02' (R5:44255' I%' 0(5' %.(239' H:5029' %1.@7.9' /1' B 13/.27 ' @0(40' (?H1./73/' H 742' H.1Q29' /1' 82' ://2.)' 92J %2342 255' 7;7(35/' /02' 7//74>' 1%'73)' 4135(92.78 2' ?((/7.)' %1.42' 441.9(3;)' 232.7' 7. 2/13' @75' 41?H2 29' /1' 2Q74:7/2' (/' @023' /02' (3078(/73/5' 5:..2392.29' 7/' 9(54.2/(13 :/' /02' ;.27/' 18G24/' @0(40' /02' ?2.(4735' 079' (3')(2@' (3' (3Q79(3;' 73797' @75' /02' 47H/:.2' 1%' A:2824' 739' (/5' 7 ?15/' (?H.2;378 2' %1./.255' 3' %:./02.7342' 1%' /0(5' 97.(3;' 739' 0767.91:5' H.1G24/' 232.7' D750(3;/13' 079' 924(929' 13' 5/.23;/023(3;' /02' %1.42' :392.' 13/;1?2.)' 8)' 73' 799(J /(137' 819)' 1%' %(%/223' 0:39.29' ?23' /02' 41??739' 1%

F' 1 132' 7%/2.@7.95' .(;79(2.R 232.7' /(73' 23' @75' 81?' (3' 1M8M(.)' (/40%(2 9' 1:3/)' 13324/(4:/' 3' 0(5' 7..(Q7' (3' 3; 739' 781:/' /01' ?(99 2' 1%' 242?82.' 02' @75' 413%(329' (3' -239233(5' 475/ 2 327.' 7 ?1:/0' @02.2' 02' .2?7(329' E13)' /(' /02' "/0' 1%' 73:7.)' !$$#' @023' 02' @75' H:/' 13' 817.9' 731/02.' Q2552' 1%' @7.' 739' 413Q2)29' /1' 7 (%7M' 2.2'02' @75'>2H/' (3';71 /(' 4/182.' @023'02' @75'.2?1Q29' /1' 2@' 1.>' @02.2' 02' @75' 92/7(329' 51?2/(?25' (3' H.(513' 739' 51?2/(?25' 13' H7.1 2' /(' /02' #/0' 1%' 7)' !$$"' @023' 02' @75' 2M4073;29' 739' 51/' 7/' (82./)' 2' 9(29' 28.77.)' !L' !$",

]' 11.2=5' (7.)' 1%/02' ?2.(473' 2Q1:/(13' Q1 ' (' H' !V"

E@01?‘ 02‘ 23/.:5/29‘ /1‘ .31 9‘ /02‘ 1.(;(37‘ 925(;32.‘ 1%‘ /02‘ 2MHW9(/(13‘ 441.9(3;)‘ 7%/2.‘ 132‘ 1%‘ /02‘ ?15/‘ H7(3%:‘ 739‘ H2.(1:5‘ ?7.4025‘ 13‘ .241.9< 7%/2.‘ 07Q(3;‘ 8223‘ 41?J H2 29‘ 8)‘ @73/‘ 1%‘ %119‘ /1‘ 92Q1:.‘ /02(.‘ 91;5‘ 739‘ 07Q(3;‘ 079‘ /020‘ .73>5‘ .29:429‘ 8)‘ H.(Q7/(13‘ 739‘ %7/(;:2‘ /1‘ /@1R‘ /0(.95‘ 1%‘ /02(.‘ 1.(;(37‘ 3:?82.< /02‘ 2MH29(/(13‘ 7/‘ 23;/0‘ 7..(Q29‘ (3‘ 5(;0/‘ 1%‘ A:2824‘ 5‘ /02‘ .1:/2‘ 8)‘ @0(40‘ /02)‘ U079‘ ?792‘ /02(.‘ @7)‘ 079‘ 8223‘ 0(/02./1‘ 4135(92.29‘ (?H75J 578 2‘ 8)‘ /02‘ (3078(/73/5‘ 1%‘ /02‘ 7379(73‘ 47H(/7‘ /02‘ 7//2.‘ 8202 9‘ /02‘ 7HH.1740‘ 1%‘ /02‘ (3Q792.5‘ B@(/0‘ 31‘ 255‘ 75/13(50J ?23/‘ /073‘7 7.?‘ A:2824‘@75‘7/‘ /0(5‘/(?2‘(3‘7‘ Q2.)‘ 92%2342J 255‘ 5/7/2‘ 232.7‘ 7. 2/13‘@75‘78523/‘ ‘%2@‘/.11H5‘13)‘ 079‘ 8223‘ 2%/‘ 8)‘ 0(?‘ (3‘ /02‘ 4(/)‘ ‘ /02‘ 1/02.‘ 0739‘ 75‘ 73‘ 1%%52/‘ /1‘ /0252‘ H.1H(/(1:5‘ 4(.4:?5/73425‘ /02‘ /‘ 7@.2342‘ % 1@29‘ 82/@223‘ .31 9‘ 739‘ A:2824‘ 739‘ 75‘)2/‘ 02‘ @75‘ @(/0J 1:/‘ /02‘ ?2735‘ 1%‘ /.735H1./(3;‘ 0(5‘ %1.42‘ 74.155‘ /02‘ 5/.27?‘ 0(5‘ 92 7)‘ @75‘ H.1?H/)‘ /7>23‘ 79Q73/7;2‘ 1%‘ 0)‘ 7‘ 8.7Q2‘ 739‘ 232.;2/(4‘ .(/(50‘ 1%%(42.‘ 1 132‘ 74 273‘ @01‘ 7/‘ 1342‘ 1Q‘ !L‘ /0.2@‘ 0(?52 %‘@(/0‘ 7‘ %2@‘/.11H5‘(3/1‘ /02‘ 4(/)‘ 0(5‘ /(()(2)‘ ?275:.2‘ H.1Q29‘ %7/7‘ /1‘ /02‘ 925(;35‘ 1%‘ /02‘ ?2.(4735‘ D023‘ 5:852I:23/)‘ .31 9‘ ?792‘ 7‘ 81 9‘ 7557:/‘ 13‘ 132‘ 1%‘ 1Q‘AB‘ /02‘ ;7/25‘ 1%‘ /02‘ 4(/)‘ 02≟@75‘ .2H:529‘ @(/0‘ 4135(92.78 2‘ 155

0:5‘ .31 9‘ (35/279‘ 1%‘ 23/2.(3;‘ A:2824‘ 75‘ 7‘ Q(4/1.‘ %1:39‘ 0(?52 %‘(3‘ 7‘ Q2.)‘ H2.(1:5‘ H15(/(13‘ MH24/(3;‘ 2Q2.)‘ ?1?23/‘ /1‘ 82‘ 7//74>29‘ 8)‘ 1 132‘ 74 273< @01‘ 079‘ 5/.23;/02329‘ 0(5‘ 5?7‘ %1.42‘ 8)‘ 7.?(3;‘ /02‘ .(/(50‘ 57(1.5‘ (3‘ /02‘ H1./< /02‘ ?2.(473‘ 232.7‘ .2/.27/29‘ /1‘ -1(3/‘ 7:M‘ .2?8 25‘ 13‘ /02‘ /‘ 7Q5.2342‘ @02.2‘ 02‘ /11>‘ :H‘ 7‘ %7Q1:.78 2‘ H15(/(13‘ 82/@223‘ A:2824‘ 739‘ 13/.27‘ 3‘ /02‘ ?273‘ /(?2‘ 232.7‘ 7. 2/13‘ 07Q(3;‘ 8223‘ 7HH.(529‘ 1%‘@07/‘ 079‘ 8223‘ H755(3;‘ (3‘ 0(5‘ 7852342‘ 079‘ (??29(7/2)‘ 52/‘ 1:/‘ 13‘ 0(5‘ .2/:.3‘ /1‘ /02‘ 7379(73‘ 47H(/7‘ X‘ 7‘ H:.H152‘ 01@2Q2.‘‘@0(40‘ (3‘ 41352I:2342‘ 1%‘ /02‘ /‘ 7@(=2342‘ 82(3;‘ 41Q2.29‘ @(/0‘ /02‘ 4.7%/‘ 1%‘ /02‘ 232?)‘ 0 2‘@75‘ 13)

78 2' /1' 7441?H (50' 8)' 9(5;:(5(3;' 0(?52 %' 75' 7' %(502.?73' 739' 4.155(3;' /02' 5/.27?' (3' 7' %(50(3;R817/' .1@29' 8)' ?:%% 29' 17.5' 02' .(//(50' ;232.7' (??29(7/2)' 7HH (29' 0(?52 %' /1' H:/' /02' 4(/)' (3' 75' ;119' 7' 5/7/2' 1%' 92%2342' 75' H155(8 2' Q2.)' 78 2R819(29' .1)7 (5/' (3' A:2824' @75' 5:HJ H (29' @(/0' 7' ?:5>2/' 02' 9(57%%24/29' @2.2' 1.92.29' /1' I:(/ /02' 4(/)

:40' @75' /02' 5/7/2' 1%' 7%%7(.5' @023' 232.7' 13/;1?2.)' G1(329' 0(5' %1.425' @(/0' /0152' 1%' .31 9' 7/' -1(3/' 7:M' .2?R' 24' (' 0(25' 739' H.1422929' @(/0' 0(?' /1' 7)' 5(2;2' /1' A:2824' .27/)' 01@2Q2.' /1' /02(.' 9(57HH1(3/?23/' /02)' 9(541Q2.29' /07/' /02(.' 7./(2.)' @75' 1%' /11' (;0/' 7' 47 (8.2' /1' ?7>2' 7' 5:%%(4(23/'(?H.255(13' :H13' /02' H 742' 739' /07/' 7' 5:44255%:' 81?87.9?23/' @75' /02.2%1.2' 1:/' 1%' /02' I:25/(13' 2/.27/' (%' 31/' 9(5;.742' 5/7.29' /02?' (3' /02' %742' 3' (34 2?23/' 7379(73' @(3/2.' @75' .7H(9)' 52//(3;' (3' 02' ?2.(473' /.11H5' @2.2' (RH.1Q(929' @(/0' @7.3(' 4 1/0(3;' 02(.' %1.?2.' 23/0:5(75?' 079' ;(Q23' H 742' /1' 9(57%%24/(13' 739' 9(5413/23/X 739' 75/)' /02' 97)' @75' 327.' 7/' 0739' @0(40' @75' /1' /2.?(J 37/2'P/02(.' H.2523/' ?((/7.)' 23;7;2?23/5' 02.2' 5/(' 01@2Q2.' .2?7(329' /02' 407342' 1%' 82(3;' 78 2' /1' 47H/:.2' /02' 4(/)' 8)' 2547 792' 739' 1%' /0(5' 407342' 7 ?15/' 925H2.7/2' 75' (/' @75' /02' ?2.(473' ;232.7 5' .251 Q29' /1' 7Q7(' /02?52 Q25' 441.9(3;)' 13' /02' 75/' 97)' 1%' /02')27.' (3' /02' ?(95/' 1%' 7' 027Q)' 531@R5/1.?' 13/;1?2.)' 7/' /02' 0279' 1%' 3(32' 0:39.29' ?23' 739' .31 9' 07Q(3;' 52Q23' 0:39.29' ?23' :392.' 0(5' 41??739' (55:29' %.1?' /02(.' I:7./2.5' %1.' /02' H:.H152' 1%' ?7>(3;' 52H7.7/2' 7//74>5' :H13' 9(%%2.23/' H7./5' 1%' /02' 4(/)' 9?(.78 2' @75' /02' 5/279(3255' 739' .251 :/(13' @(/0' @0(40' 81/0' 92/740?23/5' H2.%1.?29' /02' 52.Q(42' 23/.:5/29' /1' /02?' /' 2740' H1(3/' 1%' 7//74>' 01@2Q2.' /02)' 2341:3J /2.29' 2I:7' %(.?3255' 739' Q7 1:.' 13' /02' H7./' 1%' /02' .(/(50' .31 9=5' 2;' @75' 507//2.29' 27.)' (3' /02' 74/(13')2/' 0(5' ?23' :39(5?7)29' 8)' 82(3;' 92H.(Q29' 1%' /02(.' ;7 73/' 2792.' 413/(3:29' /1' %(;0/' 31/' /02' 255' Q7 (73/)' /(' 5:.R

.1:3929' 8)' 7' 5:H2.(1.' %1.42' /82)' @2.2' 41?H2 29' /1' 5:..2392.' /02?52 Q25' H.(5132.5' '@7.' 02' 7557:/'?792' 8)' 13/;1?2.)=5' 92/740?23/' @75' 21:7)' :35:44255%:' 02' .(/(50' .252.Q(3;' /02(.' %:/2' /(' /02' (35:.;23/5' 079' 79Q73429' /1' @(/0(3^7' %2@')7.95' 1%' /02?' 1H2329' :H13' /02?' U7' 9(5407.;2' 1%';.7H2R501/' @0(40' 9(9'%7/7' 2M24:/(13' 1.' 7' ?1?23/' 13/;1?2.)' H7:529' %1.' /02' H:.H152' 1%' 73(?7/(3;' 0(5' /.11H5' N' 23' 1%' 2@' 1.>0' 02' 2M4 7(?29' N)1:' @(' 31/' %27.' /1' %1 1@' @02.2')1:.' 232.7' 2795 0'(' 023' .25:?(3;' 0(5' H 742' (3' /02?' %.13/' 02' H.2552 9' %1.@7.9' 7?(95/' /02' ?:.J 92.1:5' %(.2' /(' 02' 079' 79Q73429' @(/0(3' 7' %2@' H7425' 1%' /02' B?1:/05' 1%' /02' .(/(50' 473313' @023' 02' .242(Q29' /0.22' @1:395' @0(40' (35/73/)' 92H.(Q29' 0(?' 1%' (%2' 3' Q7(3' 0(5' É%1 1@2.5' 51:;0/' /1' 7Q23;2' 0(5' 927/0' 02(.' 7557:/5' @2.2' 2341:3/2.29' @(/0' :3% (340(3;' 5/279(3255' 02' ?2.(4735' @2.2' %1.429' /1' .2/.27/

?13;' /02' H2.5135' @01' 31@' H1:.29' %1./0' %.1?' /02' .254:29' 4(/)' (3' H:.5:(/' 1%' /02' %)(3;' %12' @75' /07/' 2?(323/' Þ 7@)2.' 739' H.1%1:39' .275132.' (.' D((7?' .73/' 7/' /0(5' /(?2' //1.32)R 232.7' 1%' 73797' 739' @27.(3;' /02' :3(%1.?' 1%' 7' Q1 :3/22.' (3' 92%2342' 1%' /02' -.1Q(342' B 32' 1%' /02' %(.5/^ 41.H525' @0(40' (?H2929' /02(.' H7/0' @75' /07/' 1%' 13/;1?2.)' @01' 7)' @(/0' 0(5' 0739' 2M/23929' /1@7.95' /02 4(/)' 75' (%' 02' 079' .242(Q29' 0(5' 927/0R@1:39' @0(2' (3' /02' 74/' 1%' :.;(3;' 13' 0(5' ?23' /1@7.95' /02' ;17' @0(40' (/' @75' 925/(329' /07/' 02' 501:9' 32Q2.' .2740' N 07/0' 57(9' .73/' N(5' 13/;1?2.)' ' >32@' 0(.0' @023' @2' 5/:9(29' /1;2/02.' 7/' /' 39.2@=5' 1 2;2 0' %' 24' R 0:5' %2 ' /02' 8.7Q2' 13/;1?2.)' 7' ;.742%:' ;23/ 2?73 U9(5/(3;:(5029' (3' H.(Q7/2' (%2' 8)' ?73)' 7?(78 2' I:7 (/(25' 739' 75' UB7' 51 9(2.' I:7 (%(29' 8)' 37/:.2' /1' .(52' /1' /02' 0(;025/' 9(5/(34/(13' 1/' 13)' 9(9' ?2.(47' ?1:.3' %1.' 0(?' 75' %1.' 132' 1%' /02' 8.7Q25/' 739' 825/' 1%' 02.' 791H/29' 5135' 8:/' (3' 3; 739

F' .75/.13;=5 (%2 1%' ' 11/;1?2.)' (3' H7.>5=5' ?2.(473' (1;.7H>)' Q1 ' ('
H' +!L
]' 273' -2 2@=5' (%2' 1%' 1.9' (9?1:/0' Q1 '('H' L!#y' #

/02.2' @2.2' H2.5135' ;232.1:5' 231:;0' /1' 2MH.255' Q232.7/(13' %1.' /02' ?2?1.)' 1%' 51' (3/.2H(9' 739':341?H.1?(5(3;' 7' H7/.(1/' 232.7' 7. 2/13'/1'0(5'(3%(3(/2'4.29(/'1Q2. 11>29' /02'92 (3I:234)'1%'/02'.282'(3'R/02' ?2.(/5'1%'/02'02.1'739' 7@7.929'0(?B73'0131:.78 2'(3/2.?23/FB' N' 02' 155'1%'/02' 8.7Q2' 13/;1?2.)0'7Q2'D750(3;/13=5'@1.95'/1' 232.7' 40:)2.'1 .' 2Q2.'82'.2?2?82.29=%' 39' 7;7(3'0W' @.(/25'/1' 1132' .319< 3'/02'?(95/'1%'9(5/.255'' 7?'07HH)'/1'%(39'/07/'5:(/78 2'0131:.5'@2.2'H7(9'/1'/02'.2J ?7(35'1%' .' 13/;1?2.)0\

232.7' .319' 7%/2.'0(5' .2H:52' @(/09.2@'0(5' %1.425' $$# /1' /02' %7?1:5' 02(;0/5' 1%' 8.707?' @02.2' 31/@(/0J 5/739(3;' /02' 9252./(13' 1%' 51?2' 1%' 0(5' %1 1@2.5' 739' /02' (34.275(3;'9(57%%24/(13' 1%' 1/02.5'/0(5' 78 2' 51 9(2.'413/.(Q29' /1' >22H' A:2824' (3' 7' 5/7/2' 1%'5(2;2' /(' /02' 7HH.1740'1%' 5H.(3;' 7/' @0(40' 527513' 02' 2MH24/29' /1' .242(Q2' .2(3%1.42P' ?23/5'1%'?23'739'5/1.25'1%'@0(40'02' ;.27/)'5/119' (3'3229 U /'/02 57?2'/(?2' 232.7' 7. 2/13'@75'31' 255'73M(1:5)' @7(/(3;'5:HH (25'%.1?' 3; 739'@023'/1'0(5';.27/'G1)'739' /1' /07/' 1%' /02' ;7..(513' 1%' A:2824' 02' 27.329' /07/' /0i' EN' 5(5 0'@(/0' /' 1/02.' .(/(50'50(H5'1%' Q7.' 47..)(3;' /02' 2MH24/29'.2(3%1.42?23/5'13'817.9'/02?' Q2.2'%1.4(3;' /02(.' @7)'/0.1:;0'/02'?75525'1%' (42' Q0(40' (?H2929'/02'37Q(;7J /(13'1%'/02' /' 7 Q.2342' 0(5'744255(13'1%'5/.23;/0' 51'7442H/78 2'/1'132'H7./)'H.1Q29'31' 255'%7/7'/1'/02' H.15H24/5'1%'/02'1/02.' .1?'1/02.'47:525'/02'5(/:7/(13' 1%'/02'825(2;(3;'%1.42'079'8241?2'?1.2'739'?1.2'2?J 87..755(3;'739'(/5'H15(/(13'?1.2'739'?1.2'H.247.(1:5' N 73)'1%'/02'/.11H5'7.2'92G24/29 0' Q.(/25' .319' /1' 232.7'D115/2.'N'739'73M(1:5'/1';2/'01?2'X 739'51?2

F' 13913' 762//2'%1.'V' 7.4(' !$$#' 1./)R/@1')27.5'7%/2.@7.95'/02'.2?7(35'1% 232.7' 13/;1?2.)'@2.2'.2?1Q29'%.1?'/02'5H1/'@02.2'02'%2 '739'.2(3/2..29'(3'/02' H(541H7'40:.40'1%' 8' -7:=5' 2@' 1.>'(3'%.13/'1%'@0(40'5/7395'7'?13:?23/'1%' @0(/2'?7.8 2'2.24/29'8)'1.92.'1%' 13;.255'(3'0131:.'1%'0(5'?2?1.)

]' H7.>585' (%2'1%'D750(3;/13'Q1 '(((' H' +V*' ' ' ' H' +#S

1%' /02?' 07Q2' 74/:7)' 52/' 1%%' 8:/' ' 507 ' 23927Q1:.' /1' B413/(3:2' /02' 8 14>792' @0(2' /02.2' 7.2' 73)' 01H25' 1%' 5:44255 0'F' 2%1.2' 13;' .31 9' (3' 41352I:2342' 1%' /02' 5/7/2' 1%' 0(5' @1:3929' 2;' 18/7(329' 27Q2' 1%' 7852342' /1' H.14229' /1' 13/.27 ' 3' 0(5' 7852342' 0(5' ;232.7 5' H75529' /02(.' /(?2' (3' I:7..2 (3;' 7?13;' /02?52 Q25' -.1R' ÆQ(5(135' 739' 5/1.25' 1%' 2Q2.)' >(39' @2.2' 8241?(3;' ?1.2' 739' ?1.2' 9(%%(4:/' /1' 82' 18/7(329' 739' 75/)' /02' 5?7 RH1M' 82;73'/1' ?7>2' %27.%:' 07Q14' (3' /02(.' .73>5' 392.' /0252' 4(.4:?5/73425' /02.2' .2?7(329' 31' 7 /2.37/(Q2' 8:/' .2/.27/' @0(40' /02)' 079' 547.42)' 41??23429' 82%1.2' 232.7' 7. 2R' /13' (55:(3;'%.1?'/02';7/25' 1%' A:2824'%1 1@29'/02?'51'Q(;1J .1:5)' 75' /1' 41?H2' /02?' /1' 7873913' /02(.' 7./(2.)' 739' 87;;7;2' 739' /1' 82/7>2' /02?52 Q25B' /1' 7' H.24(H(/7/2' 739' 9(51.;73(529' %(;0/' 32' 9(Q(5(13' 1%' /02(.' 7.?)' @75' 47H/:.29' 7/' /02' 297.5' 8)' 7' ?(M29' %1.42' 1%' .(/(50' 739' 39(735' 31/02.' @75' 1Q2./7>23' 739' .1:/29' 8)' 232.7' 7. 2/13' 7/' .1(5' (Q(i.25' 82/@223' A:2824' 739' 13/.27 ' 02' .2?7(392.' 5:4422929' (3' .2740(3;' 7>2' 07?H 7(3' @02.2' /02)' 2?87.>29' /1;2/02.'B@(/0' /02' ;7..(5135' 1%' /02' 1/02.' ?2.(473' ?((/7.)' H15/5' (3' 73797'%1.' 2@' 1.>' 02' 2?87.>7/(13' @75' H2.5137)' 5:H2.(3/23929' 8)'' .31 9' @01' .2?7(329' 820(39' /(' 2Q2.)' 817/' 2M42H/' 0(5' 1@3' 079' 2%/' /02' 501.2' N 2' /023 0'@.(/25' 0(5' 8(1;.7H02.' N ?1:3/29' 0(5' 01.52' 7//23929' 8)' D(>(3513' 0(5' 7(92R92R47?HR' 739' .192' 874>' /@1' ?(25' @023' /02)' 9(541Q2.29' /02' 232?)=5' 79Q73429' (Q(5(13' (3' %:' (37.40' :392.' 232.7' :.;1)32' 02)' ;7629' 13' (/' 1.' (3' ?((/7.)' H0.752' .241331(/2.29' (/' %1.' 7' 501./' /(?2' 739' /023' 075/2329' 87/>' /1' /' 103=5' ' 817/' 82(3;' (3' .279(3255' /1' .242(Q2' /02?' /02' 01.525' @2.2' 5/.(HH29' 739' 501/' 02' ?23' @2.2' 1.92.29' 13' 817.9' 739' .31 9' .2%:5(3;' 7 ' 755(5/7342' H:5029' 1%%' /02' 817/' @(/0' 0(5' 1@3' 07395'X ^/0:5 ± 57)5' D(>(3513' ^(39: ;(3;' /02

‘ □ ‘ ‘ ‘ ‘ !L,

Q73(/)‘ 1%‘82(3;‘ /02‘ 75/‘ ?73‘ @01‘ 2?87.>29‘ %.1?‘ /82‘ 501.25‘ 1%‘ /82‘ 232?) ≤ 02‘ 5:3‘ @75‘ 31@‘ 91@3‘ 739‘ 97.>3255‘ %1 1@29‘ 8:/‘ /02‘ 817/‘ 1Q2./11>‘ /02‘ 7.?)F(0‘ (X02‘ 3(;0/‘ 7/‘ 5 2‘ 7:M‘ 1(M O‘F‘ 0:5‘ @75‘ 73797‘ 1342‘ ?1.2‘ 8.1:;0/‘ :392.‘ 41?H 2/2‘ 5:8G24/(13‘ /1‘ .27/‘ .(/7(3

H7.>5=5‘ (%2‘1%‘ .31 9‘ H(H‘ #+<L

- &&&

2H 1.78 2 139(/(13 1% /02 ?2.(473 .?) < 32.;)739 78((/) 1% D 750(3;/13 75 3 1??7392.< 1.4025/2. 2(;0/5 /7>23 8) /02 ?2.(4735 < 02 .(/(50 2Q74:7/2 15/13 @0(40 (5 23/2.29 8) D 750(3;/13 (3 /.(:?H0 < ..(Q7 1% 2.?73 /.11H5 0(.29 8) /02 .(/(50 < ?2.(473 N 24 7.7/(13 1% 392H2392342O H:8 (5029 13 /02 1:./O 1% :) !$$# < 134((7/1.) Q2./:.25 1% /02 .(/(50 1??(55(132.5 .2G24/29 8) /02 ?2.(4735 < 7// 2 1% .11>)3 < .:(/ 255 13%2.2342 13 /7/23 5 739 < 2@ 1.> /7>23 8) 232.7 1@2 < -2.Q2.52 -1 (4) 1% /02 .(/(50 1Q2.3?23/ < H224O 1% 1.9 07/07? < (5 ?1/(13 %1. 134((7/(13 .2G24/29 8) /02 1:52 1% 1.95

:32 8 /02 /(?2 @023 D 750(3;/13 @75 401523 232.7 R(3R 0(2% 1% /02 ?2.(473 %1.425 739 755:?29 /02 9(.24/(13 :) 1% /02 8 14>792 1% 15/13 0(5 %2 1@R4(/(6235 079 2MH24/29 %.1?0(?/02 H2.%1.?7342 1% 547.42) 255 /073 (?H155(J 8((/(25 (// 2 7@7.2 01@2Q2. @75 /02 Q75/ ?7G1.(/) 1% /02?I% /02 9(%%(4:/(25 7;7(35/ @0(40 /0(5 (:5/.(1:5 ?73 @75 47 29 :H13 /1 413/239 (5 5(/:7/(13 @75 /.:) 7 ?15/ :323Q(78 2 132 1 :52 0(5 1@3 @1.95 02 %1:39 /02 7.?) :392. 0(5 41??739 7 ?2.2 N ?(M29 ?:/(/:92 1% H21H 2 :392. Q2.) (// 2 1.92. 1. ;1Q2.3?23/ OF 2 @75 ;.27/) (3 @73/ 1% 23;(322.5 3 (5/?23/ @23/ 13 8:/ 5 1@) 5 @(3/2. 7HH.174029 0(5 ?23 37/:.7) 8247?2 (?H7/(23/ /1 .2/:.3 /1 /02(. 40(?32)R41.32.5 739 /02(. %7?((25 02.2 @75 7 7?23/78 2 @73/ (3 0(5 47?H 1% ?132) %(.2R7.?5 739 23;(322.5 5/1.25 1 /02 -.2J 5(923/ 1% 13;.255 D 750(3;/13 @.(/25 13 /02 +!5/ 1% 2H/2?82.< N) 5(/:7/(13 (5 (32MH.255(8) 9(5/.255(3; R/1 522 /02 @(3/2. %75/ 7HH.1740(3; :H13 7 37>29 7.?) X /02 /(?2 1% /02(. 52.Q(42 @(/0(3 7 %2@ @22>5 1% 2MJ H(.(3; 739 31 H.1Q(5(13)2/ ?792 %1. 5:40 (?H1./73/ 2Q23/5 99 /1 /0252 /02 ?((/7(R) 4025/ (5 /1/7) 2MR

07:5/29' (2B -7)?75/2.' 075 31/B 7 5(3; 2K91 7.' (3' 0739 0F :40 @75 /02 547.4(/)' 1% 731/02.' ?15/ (?H1./73/ 5/1.2' ;:3H1@92.' /07/ /02 925/.:4/(13 1% ;7?2 8)' %1@ (3;R' H(2425 @75 5/.(4/)' H.10(8(/29' N D 2 7.2 18 (;29 0 @.(/25 D750(3;/13 /1 0(5 8.1/02.' 13 /02 !L/0 1% 4/182.' N/1 5:8?(/ /1 73 7 ?15/ 97()' 47331379 2@(/01:/ .2/:.3(3;' 7 501/' %.1?' 1:.' 547.4(/)' 1% H1@92.' @0(40 @2 7.2 324255(J /7/29 /1 >22H %1.' 4 152.' @1.> /073 473313R9(5/7342' @023J 2Q2.' /02 .29R417/ ;23/.)' H 2752 /1 5/2H 1:/ 1% /02(.' (3/.2340R ?23/5 0 %' :/ 9(5H(((/(3;' 75 /0(5 5/7/2 1% 7%%7(.5 ?:5/ 07Q2 8223 /1 D750(3;/13' %7.' ;11?(2.' @1:9 07Q2 8223 0(5 %22 (3;5 079 /02 5/7./(3;' %74/ 8223 >31@3 /1 0(?' /07/' (3 799(/(13 /1 /02 9(54(H (329 %1.425 1% .27/ .(/7(3' /02 Q75/ ?((/7.)' H1@2.' 1% :55(7 @75 (>2)' 82%1.2 /02 7H52 1% ?73)' ?13/05' /1 82 7(=.7)29 7;7(35/ 0(5 41:3/.)' 3 7 2//2.' %.B1?' 1.9 7./?1:/0 /1 232.7' 1@2' 97/29R 2HJ /2?82.' V/0' !$$V' 739 ?7.>29 $ 1 0(5 1.950(H @.(/25 <N' 501:9 82 :3H7.91378 2 (%' 9(9 31/ 74I:7(3/)1:'/07/ 0(5 7G25/)=5 (3(5/2.' 7/ -2/2.58:.;0' 07)(3;' 8223 (3J 5/.:4/29 /1 51:39 /02 ?H.255 01@ %7.' 502 @1:9 82 9(5J H1529' (3 4752 1% 324255(/)' /1 755(5/ 0(5 7G25/)' @(/0 5:40 %1.42 75 /02 5/7/2 739 524:.(/)' 1% /02 ?H(.2 @1:9 79?(/' 02.' ?H2.(7' 7G25/)' 075' (3 /02 %.(3255 1% 02.' 7%%24/(13 %1.' /02 .(/(50 7/(13' 739 1% ;.7/(/:92 %1.' /02 8232%(/ 502 .242(Q29 :392.' 02.' 7/2 9(%%(4:/(25' ?792 /02 ?15/ 2MH (4(/ 924 7.7/(13' 739 ;(Q23 /02 ?15/ 7?H 2 755:.7342 1% 2//(3;' :5 07Q2 73)' 3:?82.' 1% /0%73/.)' /07/ ?7)' 82 @73/29' 3 41352I:2342 1% /0(5 ;232.1:5 739 ?7;373(?1:5 1%%2.' 7 .2I:(5(/(13 075 8223 ?792 %1.' /@23/)' /01:5739 ?23X 739 (/ (5 H.1H1529 /1 5239 /02 ;.27/25/ H7./ 1% /0252 7:M((7.(25' 75 27.)' 75 H155(8 2 (3 /02 H.(3;' /1 A:2824' 739 ' /.:5/ @2 507 ' 07Q2 7/ 275/ 73 2I:7' 3:?82.' 1% .(/(50 .11H5 (3 1./0 ?2.(47 /1 74/ @(/0 /02?' (% 14475(13 .2I:(.25 0

3 D750(3;/13=5 D.(/(3;5'8)' H7.>5' Q1 ' (((' H' !*S']' ' < # H' !+"
?2.(473 (3 /02 (8.7.)' 1% /02 1)7' 35/(/:/(13' :.(1:5)' 13)

1@' %7(± 255' 01H2%: ' 7/' /0(5' /(?2' @75' /02' 73;:7;2' 1%' D750(3;/13'% 1' 0(5' 9G:/73/R 232.7' 02' @.(/25' 13' /02' +"/0' 1%' 1Q2?82.<N' 1:9' ' 07Q2' %1.25223' @07/' ' 07Q2' 2MH2.(23429' 739' 7?' (>2)' /1' 2MH2.(2342' 31' 4135(92.7/(13' :H13'27./0'501:9' 07Q2' (39:429' ?2' /1' 7442H/' /0(5' 41??739' U ' .2;(?23/' 1.' 73)' 5:81.9(37/2' 92H7./?23/' @1:9' 07Q2' 8223' 7441?H73(29' @(/0' /23' /(?25' /02' 57/(5%74/(13' H2.07H5' /23' /(?25' /02' 0131:.0

:/' 1%' 7 ' ?23' D750(3;/13' @75' /02' 275/' (>2)' /1')(2 9' /1' 925H139234)' 07/' (391?(/78 2' .251 :/(13<P/07/R 0(;0' 739' 40(Q7 .1:5' 52352' 1%' 9:/)<P/07/' H:.2' 739' :352 %(50' H7/.(1/(5?' @0(40' @2.2' 0(5' (3Q7.(78 2' 407.74/2.(5/(45<@2.2' 32Q2.' ?1.2' 2?(323/)' 9(5H 7)29' /073' 7/F/02' H.2523/' /.)(3;' 739' H2.(1:5' 4.(5(5')' 92;.225' 02' (3%:529' 1.92.' 739' 9(54(J H (32' 75' @2 ' 75' 7.91:.' 7?13;' 0(5' /.11H5' N' 02' 232.7 5' D750(3;/13' 739' 22 0' @.(/25' 132' 1%' /02' 407H 7(35' 1%' 0(5' 7.?)' N' 7.2' :H13' /02' (325' 2Q2.)' 97)' 2@' 1.92.5' %.1?' 0(5' M42 234)' 7.2' .279' /1' /02' .25H24/(Q2' .2;(?23/5' 2Q2.)' ?1.3(3;' 7%/2.' H.7)2.5' 02' 5/.(4/25/' ;1Q2.3?23/' (5' /7>(3;' H 742' 739' ;.27/' 9(5/(34/(13' (5' ?792' 82/@223' 1%%(42.5' 739' 51 9(2.5' Q2.)' 132' (5' ?792' /1' >31@' 0(5' H 742' 739' >22H' (3' (/' 1.' 82' /(29' :H' 739' .242(Q2' /0:R/)' 1.' %1./)' 75025' 7441.9(3;' /1' 0(5' 4.(?2' 01:57395' 7.2' 7/' @1.>' 2Q2.)' 97)' %.1?' %1:.' /(' 2 2Q23' 1=4 14>' (3' /02' ?1.3(3;' /' (5' 5:.H.(5(3;' 01@' ?:40' @1.>' 075' 8223' 9132' 02' (325' 7.2' 2M/23929' 7 ?15/' %.1?' 7?8.(9;2' /1')5/(4' (Q2.' 51' /07/' Q2.)' 5113' (/' @(' 82' ?1J .7)' (?H155(8 2' %1.' /02' 232?)' /1' ;2/' 82/@223' /02' @1.>5 0' %

5(M' 97)5' 7%/2.' /02' 97/2' 1%' 1.9' 7./?1:/0=5' 925H7/40' @2' %(39' 1.742' D7H1 2' %:)' 41;3(673/' 1%' /02' N524.2/0' 739' .2?7.>78 2' %74/' 1%' /02' ?H.255' 7/02.(32' 07Q(3;' ;(Q23' 02.' 75523/' /1' 2//(3;' 1:/' 02.' /.11H5' %1.' /02' 5:8G:;7/(13' 1%' ?2.(473' %.2291?' N 07/' ?(.74 2' 1%;.7/(/:92' /02' 67.(37 0' 02' @.(/25' /1' 733' 13' /02' /0' 1%' 2H/2?82.' !$$V' N075' 413523/29' /1' 239' 3;739' /@23/)' /01:5739' :55(735' /182/.735c' H1./29' /1' ?2.(47' 02' -7.(7?23/' (5' /1' ?22/' 13' /02' +*/0' 1%32M/' ?13/0' 739' Q1/2' /@23/)R5(M' /01:5739' 527?23' † D07/' 7' H7.7;.7H0' 1%8 119' (5' /02.2' † D(/0' @07/' /1..23/5' ?:5/' (82./)' 82' H.252.Q29' (3' ?2.(47' 0 - ' 0 ' Q1 ' Q(' H' +V+' 9' !"V$

F D750(3;/13=5' D.(/(3;5' 8)' H7.>5' Q1 ' (((' H' !$,

=K D750(3;/13=5' D.(/(3;5' Q1 ' (((' H' S,!' N ' 027.0' @.(/25' D7H1 2' /1' 79)

0:5' 0)' 0(5' 232.;)' 0o5' ;23(:5' 739' H2.52Q2.7342' 9(9' D750(3;/13' H2.%1.?' /02' 91:8 2' %27/' 1%' >22H(3;' /1;2/02.' 9:.(3;' 7' 13;' Q(3/2.' 5(M/223' /01:5739' B.7@' 739' (1?2R' R5(4>' /(B11H5' 739' 01 9(3;' /02' .(/(50' 7.?)' 8 14>7929' (3' 15/13' 1.21Q2.' 51' 5113' 75' .2(3%1.42?23/5' .274029' 0(?' 7/' /02' 82;(33(3;' 1%' 7.40' 02' 5:4422929' 8)' 7' !$$#' ?75/2.)' 5/.7/7;2?' (3' 52(6?;' 739' %1./(%)(3;' /02' 42 2J 8.7/29' 1.4025/2.' 2(;0/5' 41??739(3;' /02' .(/(50' (325 U13' 15/13' 24>' /0:5' 73/(4(H7/(3;' 739' 1:/@(//(3;' 232.7 U 1@2' 739' H 74(3;' /02' .(/(50' 7.?)' (3' 7' Q2.)' 4.(/(47' H15(/(13' 3' 41352I:2342' 1%' /0(5' ?1Q2?23/' /02' .(/(50' ;232.7' %1:39' 0(?52 %' .29:429' /1' /02' 324255(/)' 1%' .2?1Q(3;' 0(5' /.11H5' /1' 51?2' 1/02.' H7./' 1%' /02' 13/(323/' @02.2' H.1J Q(5(135' @2.2' (>2)' /1' 82' ?1.2' H 23/(%:' 739' /0W' 41:3/.)' 82//2.'797H/29' %1.'47..)(3;' 13' 5:44255%:' ?((/7.)' 1H2.7/(135' 441.9(3;)' 13' /02' !$/0' 1%' 7.40' /02' (3078(/73/5' 1%' 15/13' @2.2' 2 7/29' 7/' /02' 5H24/74 2' 1%' 7' .(/(50' .?)' 82(3;' 9.(Q23' %(R1?' /02' Q2.)' -.1Q(342' @0(40' /02)' 079F' 8223' 925H7/4029' 74.155' /02' /73/(4' 2MH.255)' /1' 1Q2.7@2' 739' 5:89:2' 02' /.11H5' @2.2' 7 1@29' /1' 2?87.>' @(/01:/' 82(3;' ?1 25/29' 739' 13' /02' %1 1@(3;' 97)' D750(3;/13' 23/2.29' 15/13' (3' /.(:?H0

.1?' 15/13' 232.7' 1@2' H.1422929' /1' 7 (%7M' 739' 7%/2.@7.95' /1' /7/23' 5 739' (3' /02' -.1Q(342' 1%' 2@' 1.>' @02.2' 7/' /02' 239' 1%' :32' 02' 5:4422929' (3' 739(:;' 0(5' /.11H5' @(/01:/' ?22/(3;' @(/0' 1HH15(/(13' 2.2' 13' /02' AD %' 1%' :)' 02' @75' G1(329' 8)' 7' 7.;2' .2(3%1.42?23/' 1%' ?23' @0(40' 02' 079' 8223' 13;' 739' 73M(1:5)' 2MH24/(3;' 739' @0(40' (3R

551.)' 13' /02' L.9' 1%' :;:5/' N' /07/' /02' 13;.255' 07Q2' 37?29' 232.7' D750J (3;/13' 232.7 (55(?1' @(/0' /@1' /01:5739' 7')27.R' 739' %(Q2' H1:395' 7' 97)' %1.'0(5' /78 2' 2' 925(.29' /1' 82' 2M4:529' .242(Q(3;' /02' /@1' /01:5739' %' /0252' %1>5' @(' (?(/7/2' 81/0' /02' 13(735' 739' .1?@2 (735' (3' 52 %R923(7' 739' 23/0:5(75?' @2' 507' 82' 01..(8)' H 7;:29' @(/0' /02?0' - 'U ' # $ # # VF # 9' !"V$' ;7(3' D7H1 2' @.(/25' 13' /02' 57?2' 97)' /1' (.' 1.742' 733 < N 02' 13;.255' 31/' 75 22H' 07Q2' 7HH1(3/29' 7' 232.7 (55(?1' D750(3;/13' 7 1@29' 7' Q2.)' 78 2' 1%%(42.' @01' 9(5J /(3;:(5029' 0(?52 %' (3' /02' 75/' @7.' D2' ! @2' 079' 82//2.' 07Q2' ;132' 13' .188(3;' /02' 39(25' /' @75' 7' ?1.2' :4.7/(Q2' /.792 0' '5 ' H' +L#

9: ' ; '" <=' 2+'< 2 <' -> ' -> ? !SV

07Q2' 8223' 57/(5%(29' @(/0' (?H15(3;' /7M25' :H13' /02?' 739' (3J
Q79(3;' /02(.' (82./(25' @(/01:/' 2//(3;' 1152' 7' 52/' 1%' 0(.2(3;'
?:.92.2.5' /1' 5H.279' .7H(32' 7.(9' 9251 7/(13' 1Q2.' /02' 739'
:40' @75' /02' 73;:7;2' @0(40' H.1?H/29' 8)' /02' 8(//2.25/'
%22 (3;5' 1%' 73(?15(/)' /.7Q2 29' %.1?' 01:52' /1' 01:52' 739'
%.1?' 41//7;2' /1' 41//7;2< /0152' %1.?2.)' 07HH)' 739' 413J
/23/29' 01?25' (3' @0(40' 547.42)' /@2 Q2' ?13/05' 5(342' 2Q2.)'
3; (50?73' 079' ?2/' @(/0' 73' 015H(/78 2' @2 41?2' 739' 13'
/02' @7 5' 1%' @0(40' /02' %7?((7.' H1./.7(/' 1%' /02' 51Q2.2(;3' 079'
0:3;' 73' 18G24/' 1%' Q232.7/(13' 739' 1Q2
%' /02' ?2.(4735' 079' 7/2)' 8223' 1/0' /1' 507>2' 1%%' /02(.'
7 2;(7342' /1' /02' .(/(50' .1@3' 31' 255' 73M(1:5' @2.2' /02)'
31@' /07/' /02' 5@1.9' 079' 8223' 9.7@3' %1.' /02' 97)' /07/'
@75' /1' 8.(3;' /02?' ?734(H7/(13' /' 23;/0' 13' /02' $/0'
1%' :32' !$$#'E (407.9' 23.)' 22' .152' (3' 0(5' H 742' (3'
/02' 552?8)' 1%' /02' 2H.2523/7/(Q25' 1%' /02' 13%292J
.7/29' /7/25' 739' 7;.2278)' @(/0' (35/(B:4/(135' @0(40' 02'
079' .242(Q29' %(B1?' /02' H21H 2' 1%' (.;(3(7' ?792' 0(5'
%7?1:5' H.1H15(/(13' /07/' ?2.(47' 501:9' 924 7.2' 02.52 %'
7' %(32' 739' (392H23923/' 37/(13' D(/01:/'(??29(7/2)' 791H/J
(3;' /0(5' 251 :/(13' 13;.255' 31?(37/29' 7' 1??(//22' 1%'
%(Q2' H2.5135' @0152' (35/.:4/(135' @2.2' /1' 9.7@' :H' 7' Em5/7/2J
?23/' 1%' /02' Q7.(1:5' ;.(2Q73425' 739' 1/02.' 47:525' @0(40'
(39:429' /02' ?2.(473' 1 13(25' /1' 925(.2' /1' 52Q2.' /02(.'
41332M(13' @(/0' .27/' .(/7(3' 07/' %7?1:5' 1??(//22'
4135(5/29' 1%' 23G7?(3' .73>(3' 1%' 103' 97?5<@01'
5:4422929' D750(3;/13' 75' -.25(923/' 1%' /02' 3(/29' /7/25'
<P 01?75' 2%%2(B513' @01' 8247??2' /02' /0(.9' -.25(923/<U
1;2.' 02.?73' 1%' @01?'(/' @75' 57(9' 8)' 2%%2.513' /07/' 02'
32Q2.' 57(9' 7' %11 (50' /0(3;' (3' 0(5' (%2<739' 182./' ' (Q(3
5/13' 7%/2.@7.95' (3(5/2.' -23(H1/23/(7.)' 7/' /02' 1:./' 1%'
2.57(25' 02(.' ??1.78 2' 2H1./' /1' 13;.255' (5'
>31@3' /1' 07Q2' 8223' /02' 41?H15(/(13' @(/0' 51??2' /.(% (3;'
7/2.7/(135' 13)' 1%' 01?75' 2%%2.513' 1' /07/' 2?(323/'
7@)2.' 739' 7441?H(5029' ?73' /02' /75>' ?:5/' 07Q2' H.1Q29

73' 25H24(7)' H7(3%:' 132' ?15/' /1' /02' 75/P' 0(5' 7%%24/(13' %1.' /02' N'19' 41:3/.)'0' 079' (39:429' 0(?' /1' 5(;0' 7/' /02' H.15H24/' 1%' 52H7.7/(13' 3' /02' @01 2' 2?H(.2' 02' @.(/25' /1' //1.32)' 232.7' 7391 H0' /02.2' @75' 31/' 7' ?73' @01' ?1.2' 41.9(7)' 1Q29' /02' :3(13' @(/0' .27/' .(/7(3' /073' 0(?52%' Q23' 7%/2.' ?2.(473' 8 119' 079' 8223' 5029' 7/' 2M(3;/13' 739' @023' ?2.(473' 2M75H2.7/(13' 079' .(523' /1' %2Q2.RO27/' @2' %(39' 0(?' 5/(' 73M(1:5)' 2MH.255(3;' 01H25' /07/' 7' .24134((7/(13' ?7)82' 2%%24/29' 2(/02.' 9(9' 2%%2.513' 5/739' 7 132' (3' 0(5' 025(/7/(13' 739' .2;.2/5' Q23' /02' %(2.)' -7/.(4>' 23.)' 079' @(/0(3' /02' 75/' /@1' ?13/05' 8223' 7Q2.52' /1' 73' (??29(7/2' 924 7.7/(13' H%' 392H2392342' 1' D750(3;/13' 152H0' 229' 7 51' @.(/25' (3' 7.40<N 02.2' (5' 7' 5/.73;2' .2 :4/7342' (3' /02' ?(395' 1%' ?73)' /1' 4:/' /0W' >31/' @0(40' /(25' :5' /1' .27/' .(/7(3 0'F' :/' /02' ;.27/' ?7G1.(/)' 1%' /0(3>(3;' ?2.(4735' 079' 8241?2' 1%' /02' 1H(3(13' /07/' 07Q(3;' 9.7@3' /02' 5@1.9' 31' 7 /2.37/(Q2' @75' 2%/' 8:/' /1' %(3;' 7@7)' /02' 547887.9' N 7Q(3;' @2(;029' /02' 7.;:?23/5' 13' 81/0' 5(925 0' @.(/25' 232.7' 22' /1' -7/.(4>' 23.)' (3' /02' ?13/0' 1%' 7.40' N' '7?' 4 27.)' 1%' 1H(3(13' /07/' @2' ?:5/' 75' @2'Q7 :2'/02' (82./(25' 1%' ?2.(47'1.' 2Q23'02.' 2M(5/2342' @(/0J 1:/' 7' ?1?23/=5' 92 7)' 924 7.2' %1.' 392H2392342 0'%' N '07Q2' 31' 31/(13 0' 57(9' 152H0' 229' N' 1%' 82(3;' 073;29' %1.' 07 %' /.27513' D023' 7' 5:8G24/' 9.7@5' 0(5' 5@1%9' 7;7(35/' 0(5' -.(342' 02' ?:5/' 4:/' 0(5' @7)' /0.1:;0' (%' 02' ?2735' 7%/2.J @7.95' /1' 5(/' 91@3' (3' 57%2/) 0'GX

3' 9:2' /(?2' /02' 1??(//22' 1%' (Q2' 5:8?(//29' /1' 13J ;.255' /02' 9.7%/' 1%' 7' H.1H1529' 24 7.7/(13' 1%' .(2Q73425' 739' (;0/5' @0(40B' 13;.255' 5:8G24/29' /1' 7' 47.2%:' .2Q(5(13' D(/0' /02' 2M42H/(13' 1%' /02' 5@22H(3;' 739' 7HH7.23/)' :39:2' 7?1:3/' 1%' 18 1I:)' 475/' 8)' /02' ?2.(4735' H2.5137)' 13' /02' (3;' (// 2' %7:/' (5' 7HH7.23/)' /1' 82' %1:39' @(/0' /0(5

EF' (%2' 1%' 152H0' 229' (3' H7.>5=5' ?2.(473' (1;.7H0)' Q1 ' Q(((' H' +,,' B+39' 2.(25

]' (%2' 1%' 232.7' 07.25' 22X' '5 # H' !+*

' (%1' 1%' 152H0' 229'X' '5 # H' +,,

?2?1.78 2' 914:?23/' (/02./1' @02/02.' G:5/)' 1.' 31/' /02)' 079' 8223' 744:5/1?29' /1' /.742' /02(.' ;.(2Q73425' 739' /02(.'@(R13;5' 31/' /1' /02' (3;'8:/'/1'/02'7.(5/14.7/(4' 2 2?23/' @0(40' H.2Q7(29' (3' /02' .(/(50' 1:525' 1%' -7. (7?23/' 739' 25H24(7)' /1' /02' .(/(50' (3(5/2.5' (39(Q(9:7)' 75' /02' 413R' 5/(/:/(137' 739' .25H135(8 2' 79Q(52.5' 1%' /02(.' .1)7' ?75/2.' (/02./1' 7441.9(3;)' (/' 079' 8223' 4:5/1?7.)' /1' 37?2' /02' 1Q2.2(;3' @(/0' .2Q2.2342' 739' /1' 473Q755' 0(5' 74/(135' @(/0' /2392.3255' :.(3;' /02' 23;/02329' H2.(19'/07/' .73> (3'079' .25(929' (3' 3; 739'02'079' ?(5529' 31' 1HH1./:3(/)' 75'02'0(?J 52 %'(3%1.?5' :5' 1%' 2MH 7(3(3;'/1' 0(5' 41:3/.G3323' 74.155' /02' /73/(4' /07/' /02' 1HH.255(Q2' 74/5' 1%' @0(40' /02)' 41?J H 7(329' @2.2' /02' .25:/' 32(/02.' 1%' Œ 0' 31.' @' ?275:.25'8:/'@2.2'/02'@1.>'1%'7'5402?(3;' 9?(3(5/.7/(13 ½ 1' 7 51' D 750(3;/13' (3' .2?135/.7/(3;' @(/0' 232.7' 1@2' 13' /02' 07.50' /.27/?23/'/1' @0(40' /073' 23'@75' 5:8G24/29' (3/(?7/25'/02'922H' .2;.2/'1%'/02' ?2.(473' H21H 2'/07/' N/02' 37?2'1%' 1@2'7' 37?2'51'927.'/1'/02?'%'501:9'7HH27.'7/' /02'0279'1%'/02'47/7 1;:2'1%'/02'(35/.:?23/5'2?H 1)29'8)'7' + #' , 0'%1.' /02(.' 925/.:4/(13 0' Q23'7/'51' 7/2'7' H2.(19' 75' @023' /02' %7?1:5' N (Q2' .7340' @75' /.735R' ?(//29' /1' 3; 739' @2' %(39' /02' .(/(50' ?((/7.)' %1.42' (3' ?2.(47'925(;37/29'8)' 13;.255'31/'75'/02' 1)7'8:/'75' /02'-7. (7?23/7.)' .?)' :/'31@'@023'(/'@75'413%25529)' /02' H1 (4)' 1%' 13;.255'/1' H.1H(/(7/2'/02' ;.27/' ?755'1%' /02' .(/(50' H21H 2 < 31@'/07/' (/' 079' 8241?2'1%' /02' 0(;025/' (?R' H1./7342' /1' 57/(5%)' /02' 41354(23425' 1%' 5:40' 1%' /02(.' 1@3' H21H 2'75' .2/7(329' /02(.' 734(23/' .2Q2.2342' %1.' /02' (3;)' 1%%(42' 739' %1.' /02' H.(Q7/2' Q(./:25' 1%' 21.;2' /02' 0(.9 < (/' 522?5' /1' 07Q2' 7%%1.929' /02' %1:392.5' 1%'/02' 2?8.)1' 2H:8 (4' 73' 275)' 2547H2' %.1?' /02(.' 9(%%(4:/(25'8)' 7)(3;' /02' H.(34(H7' 19(:?' 7/' /02' 911.' 1%' /02' @2 R(3/23/(1329' ?137.40' 1' /02' (3;' /02.2%1.2' (3'/02(.' ?2?1.78 2' 24 7.7/(13' 1%' 392R

F' .73> (3=5' (%2' 739' D.(/(3;5'Q1'('H'L##' 0(.9R 9(/(13
]' D750(3;/13=5' D.(/(3;5'8)' H7.>5'Q1'(((' H'+*+' 22' 'HHR!V*'!V!
V

H2392342 /02) 7//.(8:/29 /02(. @.13;5 739 /02 324255(/) %1.
52H7.7/(13 02 0(5/1.) 1% /02 .2(;3(3;51Q2.2(;3 /02) 57(9
@75 7 0(5/1.) H% .2H27/29 (3G:.(25 739 :5:.H7/(135 1 2Q(J
923/) @75 (/ 0(5 (3/23/(13 /1 25/78 (50 73 7851 :/2 925H1/(5?
/07/ (/ 079 8241?2 /02(. 9:/) 75 @2 75 /02(. .(;0/ /1 524:.2
/02?52 Q25 7;7(35/ %:./02. 7;;.255(135 N 3 2Q2.) 5/7;2 1%
/0252 1HH.255(135 0 H.142295 /02 24 7.7/(13 N @2 07Q2 H2/(J
/(1329 %1. .29(=255 (3 /02 ?15/ 0:?8 2 /2.?5 :. H2/(/(135
07Q2 8223 735@2.29 13) 8) .2H27/29 (3G:.(25 - .(342
@0152 407.74/2.(5 /0:5 ?7(B>29 8) 2Q2.) 74/ @0(40 ?7) 92%(32
7 /).73/ (5 :3%(/ /1 82 /02 .: 2. 1% 7 %.22 H21H 2 /02.2J
%1.2 /02 .2H.2523/7/(Q25 1% /02 3(/29 /7/25 1% ?2.(47 (3
232.7 13;M2 7552?8 29 7HH27 (3;/1 /02 5:H.2?2 :9;2
1%/02 D1. 9/1. /02 .24/(/:92 1%1:.(3/23/(135 91 (3 /02 37?2
739 8) /02 7:/01.(/) 1% /02 ;119 H21H 2 1% /0252 1 13(25 51J
2?3) H:8 (50 739 924 7.2 /07/ /0252 3(/29 1 13(25 7.2
739 1% .(;0/1:;0/ /1 82 ^+ @) / ,
2/ (/ @75 31/ /(7%/2.?73) 9(%%(4: /(25 079 8223 9(5H1529
1% 31./(7%/2.?73) 13;739 73M(1:5 9(54:55(135 /07/ /02
@01 2 1% /02 0(./223 1 13(25 079 8223 (39:429 /1 7;.22 /1
/0(5 %7?1:5 24 7.7/(13 1.7 13;/(?2 /02 2H:/(25 1%%1:.
1% /02 1 13(25< 1:/0 7.1 (37 -2335) Q73(7 2@ 1.>
739 2 7@7.2<.2%:529 /1 7//740 /020 5(;37/:.25 /1 /02 9229
1% 52H7.7/(13 7.) 739 /11 02 9 1:/ 13; 739 7442929
.2 :4/73/) K /23;/0 01@2Q2. 23/(.2 :373(?(/) @75
18/7(329 X 739 7441.9(3;) 13 73 2Q2.R?2?1.78 2 97) /02
+ $A ! $$# ?2.(47 81 9) 739 H.1:9) 73J
31:3429 /1 /02 @1. 9/07/ 502 @75 73 392H23923/ ?H(.2 739
/07/ /02 @1.9 1 13(25 31 13;2. 2M(5/29 (3 02. Q1478:7.) %

U 441.9(3;/1 /02 ?2.(473 0(5/1.(73 7Q(9 7?57) 51 5/.13;(3 /02 (?H1./73/
-.1Q(342 1% 1:/0 7.1 (37 @75 N /02 7//740?23/ 1% ?73) /1 .27/ .(/7(3 @0(40
/02) %139) 47 29 /02 ?1/02. 41:3/.) /07/ /01:;0 /02) 75523/29 /1 /02 25/78 (50J
?23/ 1% 73 (392H23923/ 135/(/:/(13)2/ R(/ @75 47..(29 7%/2. 7 13;9287/2
/07/ (/ @75 13) /1 2M(5/ /(7 .24134((7/(13 82/@223 .27/ .(/7(3 739 /02 1 1J
3(25 507 /7>2 H 742 0 4 , + , Q1 (R -R "L .23/13 !$"V
UO H7.>55 (%2 1% D 750(3;/13 Q1 (H !"+

N 0i' .2Q2.(25 0' @(-(/25' 22' /1' -7/.(4>' 23.)' N@0(40' ' 4135(92.29' 75' ?2.2' ;1 923' 475/ 25' (3' /02' 7(.' 7/' 23;/0' 0(9' %7(.' %1.' 82(3;' .27 (529' D 2' 507 ' 31@' ?15/' H.1878)' 522' 7' ?(;0/)' 2?H(.2' 25/78 (5029' 1%' %.22?23' @0152' 0131:.' H.1J H2./)' 739' ?(/7.)' ; 1.(25' 7.2' 31/' /1' 82' 7/' /02' 9(5H157' 1%' 7' 542H/.29' /).73/' 31.' /02(.' 41354(23425' %2//2.29' 8)' 7' H.1:9' 91?(322.(3;' 0(2.7.40) 0' 5' /02' 3; (50' -:.(/735' (3' /02' 52Q23/223/0' 423/:.)' 079' /0.1@3' 91@3' /02' 5/7/:2' 1%' 07. 25' /02' (.5/< 23;.7Q(3;' 13' (/5' 5(/2' N' B ' A & C 0 ' . $ & ' 0 ' ' ' ' ' ' ' ' BB < ' 51' 9(9' /02' H21H 2' 1%' 2@' 1.>' % (3;' %.1?' (/5' H2925/7 ' 739' 92?1 (50' /02' 2I:25/.(73^ /7/:2' 1%' 21.;2' /02' 0(.9' 3' /02' Q7.(1:5' 4(/(25' 739' Q(7;25' 1%' ?2.(47' /02' ?H2.(7' 4.1@3' 427529' /1' 82' 73)' 13;2.' 73' 2?8 2?' 1.' 7' 5(;3' 02' /2.?' N.1)7 /)' 0' ;.2@' /1' 82' 2(/02.' 7' 8)2@1.9' 1.' 25PH 8247?2' 1851 2/2

3' /02' ?273' /(?2' /02' ?((/7.)' H15(/(13' 1%' 232.7' 1@2' 079' 8223' ;.27/)' 5/.23;/02329' 8)' /02' 7..(Q7 ' (3' ?2.(473' @7/2.5' 1%' 7' H1@2.%:' 37Q7' %1.42' :392.' /02' 41??739' 1%' 0(5' 8.1/02.' (42' 9?(.7' 1.9' 1@2' 02' ?(55(13' 01@2Q2.' 1%' /02' /@1' 8.1/02.5' @75' %7.' %.1?' 82(3;' 1%' 73' 23/(.2)' 015/(2' 407.74/2.' 3' 799(/(13' /1' /02(.' ?((/7.)' 739' 37Q7' H1@2.5' /02)' @2.2' (3Q25/29' @(/0' 9:2' 7:/01.(/)' /1' 74/' 75' 5H24(7' 1(3?(55(132.5' %1.' .25/1.(3;' 7?(/)' 82/@223R .27/' .(/7(3' 739' 02.' 1 13(25' 739' /1' ;.73/' H7.913' (3' 47525' 1%' 5:8J ?(55(13' 3' 3; 739' 7' %7Q1:.78 2' .25:/' 079' 31/' @(/0J 1:/' 51?2';119' .27513' 8223' 73/(4(H7/29' %.1?' /0(5' (..2;:7.' 41??(55(13' 1/' 13)' @2.2' /0252' /@1' 0(;0R?(3929' ?23' >31@3' /1' 82' 1HH1529' /1' /02' H.(34(H 25' @0(40' 079' H.1RX 1>29' 015/((/(25' 75' @2' 75' /1' 82' 5235(/(Q2)' 73M(1:5' /1' H.2Q23/' /02' %:./02.' 50299(3;' 1%' 8 119' 8:/' /02' 799(J /(137' %74/' 1%' /02(.' 37?2' 82(3;' 7' %7?((7.' 739' 7' 402.(5029' 132' (3' ?2.(47' 522?29' /1' 2307342' /02(.' 4073425' 1%' 5:44255' 3' /02' 7/2' @7.5' @(/0' /02' .2340' /02(.' 8.1/02.' A21.;2' /02' /0(.9' (541:3/' 1@2' 079' %1:;0/' 5(92' 8)' 5(92' .(/0' ?73)' ?2.(4735' 5/(' (Q(3;' /1' @0152' ?2?1.(25' /02

5@22/3255' 1%' 0(5' 9(5H15(/(13' ((5' 40(Q7 .1:5' 41:.7;2' 739'
H.2?7/:.2' 927/0' (3' /02' 01:.' 1%' Q(4/1.)' 079' ;.27/)' 23R.'
927.29' 0(?' 755740:52//5' 079' 2Q23' .7(529' 7' ?13:F'
?23/' (3' 0(5' 0131:.' 02' 232.7' ?1.21Q2.' @01' @75'
31@' :307HH()' (3' 7.?5' 7;7(35/' /02?' 079' 7 51' %1.?2.)'
8223' /02(.' %2 1@R51 9(2.X 079' 8223' 7' 9(5/(3;:(5029' %7Q1:.(/2'
1%' /02' (:5/.(1:5' D1%2' 739' 079' 29' /02' 92/740?23/'
@0(40' %(.5/' H 73/29' /02' .(/(50' %7;' 13' /02' 2(;0/5'R 1%'
8.707?' :/' /02' N' (Q2' .7340 0' %.1?' /02' .(/(50'
5(92' 1%' /02' /73/(4' 079' 73(Q29' /11' 7/2' 02' .(/(50'
%22/' 079' 547.42)' 7HH27.29' 1%%' 739)' 11>' 82%1.2' 1.9' :)' □'
1@2' 079' /02' ?1./(%(47/(13' 1%' 27.3(3;' /07/' 2(;0/' (?R'
H1./73/' 97)5' 079' 2 7H529' 5(342' ?2.(47' 079' 51 2?3)'
924 7.29' 02.' 392H2392342' 1.' @75' 02' 13;' (3' 9(5J
41Q2.(3;' /07/' /02' 37/(137' 523/(3(23/' @0(40' 079' .2% 24/29'
51' ?:40' 0131:.' 13' 0(5' %7?()' 079' H75529' 7@7)' %1.'
2Q2.' .(2Q29' /02)' @2.2' 57(9' /02' ?2.(4735' /07/' ?23'
@01?' /02)' 079' 51' 5(342.2)' .2Q2.29' 501:9' 07Q2' 8223' (3J
9:429' /1' 7442H/' /02' 41??739' 1%' 73' MH29/(13' @0(40' @75'
4 27.)' 925(;329' /1' 41?H 2/2' /02(.' 5:8G:;7/(13' N ?2.(47 0'
57(9' 13;.255' N(5' 7?7629' /1' %(39' /02' 37?2' 1%' 1@2' (3'
/02' 47/7 1;:2' 1%' 02.' 232?(25' 02' 1Q29' 0(5' 8.1/02.' 0<N'
01H2 ≠ 57(9' 1.9' 1@2' 7' 501./(?2' 7%/2.@7.95' /1' 73'
?2.(473' 1%%(42.' 1 132' -7%.2)' N' /07/' ?2.(47' @(' 132'
97)' 1.' 1/02.' 82' 413Q(3429' /07/' (3' 1:.' 7%%24/(13' %1.' /07/'
41:3/.)' @2' 7 51' 7.2' 1@25 0<N' (5' 1.950(H 0' R@(9/27'
1 132' -7%.2)' N' @023' 5H27>(3;' 1%' 0(5' 8.1/02.' @75';.27/)'
7%%24/29' 739' ' 41:9' H2.42(Q2' 7' /27.' 5/739(3;' (3' 0(5' 2)2 0F' (
2Q2./02 255' 01H2 255' 75' @2.2' /02' H.15H24/5' 1%' 5:4J
4255' /02' 1??(55(132.5' H.2H7(.29' /1' :52' 2Q2.)' 23927Q1:.'
/1' 2%%24/' 7' .24134((7/(13' 441.9(3;)' 1.9' 1@2' 82(3;'
2M/.2?2)' 73M(1:5' /1' 1H23' 7' 9(.24/' 32;1/(7/(13' @(/0' D 750J
(3;/13' 925H7/4029' 7' 2//2.' /1' 0(?' :392.' /02' H.1/24/(13' 1%' :)' !S

-7%.2)=5' (%2' 1%' 1 132' D((7?' -7%.2)' (3' H7.>5=5' (:2.(473' (1;.7H0)X'
EQ1' RQ((' H' S!#' +39' 2.(25

7' % 7 ;' 1%' /. : 42 ' @0(40 ' 01@2Q2. ' (3' 41352I : 2342' 1%' (/5' .2H : R'
((7/(3 ;' 0(5' ?((/7.)' .73> ' 739' 82(3 ;' 799. 25529' /1' 0(?' 5(?H)'
75' N' 21. ; 2' D 750(3 ; /13 ' 5I : (. 2 0' @75' .2/ : .329' : 31H2329'
8)' /02' ?2.(473' 232.7 ' ' 524139' 2//2. ' (3' @0(40' 02'
@75' 799. 25529' 75' N' 21. ; 2' D 750(3 ; /13 ' 5I : (. 2 ' 3 ' 3 ' (%44 0'
?2/' @(/0' 5(?(7.' /.27/?23/ ' %' 5/(' 255' 7Q7(' @2.2' 42./7(3'
4(.4 : 7.' 2//2.5 ' 799. 25529' 8)' /02' 1??(55(132.5' /1' /02'
1Q2. 31.5' 1%' /02' 9(%%2.23/' - .1Q(3425 ' 132' 1%' @0(40' 07Q(3 ;'
%7 23' (3/1' /02' 07395' 1%' D 750(3 ; /13' 739' 07Q(3 ;' 8223' %1. J
@7. 929' 8)' 0(?' /1' /02' ?2.(473' 1Q2. 3?23/ ' 13 ; . 255'
/ : . 329' (/' /1' ; 119' 7441 : 3/' 8)' H : 8 (50(3 ;' (/' @(/0' 41??23/5'
1%' /02(.' 1@3 ' /' @75' .(; 0/' 739' H. 1H2. ' /02)' 57(9 ' /07/'
R/02' H21H 2' 1%' /02' U 3(/29' /7/25' 501 : 9' 82' 7HH. (629' 1%'
@07/' 37/ : . 2' @2. 2' /02' 41??(55(135 ' 739' @07/' @2. 2' /02'
/2. ?5 ' @(/0' @0(40' /02' (35(9(1 : 5' 41 : ./' 1%' .27/' .(/7(3'
@75' 23927Q1 : .(3 ;' /1' 7? : 52' /02? ' D 750(3 ; /13 ' (3' (>2'
?7332. ' /.27/29' /02' H1@2.5' 1%' /02' 1??(55(132.5' @(/0'
H. 1%1 : 39' 413/2?H/ ' /' @75' /1 2.78)' 2Q(923/ ' 02' 57(9 '
/07/' /0152' H1@2.5' 2M/23929' 31' % : ./02.' /073' 73' 7 : /01.(/)'
/1' ; .73/' H7. 9135 ' 02' ?2.(4735' 079' 8223' ; : (/)' 1%' 31'
1%%2342 ' 73 ' /02. 2%1. 2' 322929' 31' H7. 913 ' 02)' @2. 2' 31'
13 ; 2.' /02' 5 : 8G24/5' 1%' /02' (3 ;' 1%' 3 ; 739 ' 8 : /' 7' %. 22'
H21H 2 ' H. 2H7. 29' /1' 92%239' /1' /02' 75/' @09/' /02)' 82 (2Q29'
/1' 82' /02(.' 2 ; (/(?7/2' 739' (39(5H : /78 2' .(; 0/5 F

1. 9' 1@2 ' 01@2Q2. ' @75' 31/') 2/' 23/(. 2)' 9(5027. /2329 '
22H)' 73M(1 : 5' /1' H. 2Q23/' /02' %: ./02.' 2%%: 5(13' 1%' 8 119 '
02' 31@' / : . 329' 0(5' /01 : ; 0/5' /1@7. 95' .73 9(3 ' @(/0' @01? '
75' ?7)' 82' . 2?2?82. 29 ' 02' 079' %1. ?2.)' 75514(7/29' 13

F' 7. 507 B5' (%2' 1%' D 750(3 ; /13 ' Q1 ' ((' HH ' S, + < S' X' 229=5' (%2' 1%' 152H0' 229'
(3' H7. >5=5' ?2.(473' (1 ; . 7H0) ' Q1 ' Q(((' HH ' L! $ < ! ,' X' H7. >5B5' (%2' 1%' D 750J
(3 ; /13 ' Q1 ' (' HH ' ! "S < "V' X' 11. 2=5' (7()' 1%' /02' ?2.(473' 2Q1 : /(13 ' Q1 ' ('
H ' +$S ' 1' %7. ' 874>' 75' /02' ! #/0' 1%' H. (' D 750(3 ; /13' 079' @. (//23' /1' 103' 97?5' <'
!' 07Q2' 2Q2. ' /01 : ; 0/ ' 739' 7?' 5/(' 1%' 1H(3(13 ' /07/' 31' /2(R?5' 1%' 7441?? 197/(13' @('
82' 1%%2. 29' 8)' /02' .(/(50' (3(5/.)' 8 : /' 5 : 40' 75' 47331/' 82' 7442H/29' 8)' ??2.(47' D 2'
07Q2' 31/0(3 ; ' ?)' 927. ' (. ' /1' 92H239' : H13' 8 : /' /02' H. 1/24/(13' 1%' 7' >(39' - .1Q(92342 '
739' : 373(?(/)' 7?13 ;' 1 : .52 Q25 K' - ' - ' 5,' + * ' Q1 ' (((
G_' LV#

Q2.)' 7;(=2W78 2' /2.?5' (3' /02' .(/(50' ?2/.1H1 (5' 2' .2J
47 29' /1' ?(39' 01@' 1%/23' /02)' 079' 9(54:5529' ?2.(473'
7%%7(.5' 7f' /02' 4022.%:' /27R/78 2' 1%' 0(5' 5(5/2.' .5' 1@2'
(3' .7%/13' /.22/' 739' 01@' 02' 079' 5223' /27.5' 1%' H 275:.2'
5/7.f' (3/1' /02' 2)25' 1%' /02' ;.27f' H0(151H02.' @0232Q2.' 7'
H.15H24f' 1%' .2/:.3(3;' H2742' 739' ;119R@(' 079' H.2523/29'
(/52 % F' D 2' 07Q2' 5223' 01@2Q2.' 01@' 41?H 2/2)' /02'
@.13;5' (3% (4/29' 13' 0(5' 41:3/()' 739' /02' (35:/5' 1%%2.29' /1'
0(?52 %' 079' 07.92329' B/02' 027./' 1%' .73> (3' /1@7.95'
/02' .(/(50' 37/(13X' 739' 7441.9(3;)' @023' 1.9' 1@2'
7HH27 29' /1' 0(?'%1.' 755(5/7342' (3' 0(5' @1.>' 1%' H74(%(47/(13'
0(5' .2H)' @75' 31/' 13)' 41 9' 739' :357/(5%74/1.)' 8:f' :)'+*'
07:;0/)' 7 ?15f' /1' 9(541:./25)' H27>(3;' 1%' .27f' .(/7(3B
75' N')1:.' H.1:9' 739' :3(3%1.?29' 41:3/.) 0' 02' 7.;:29'
/07f' 02.' H2.5(5/23f' (R/.27/?23f' 1%' ?2.(47' 079' H:f' .2J
:3(13' ://2.)' 1:f' 1%' /02' I:25/(13' N f' (5' (?H155(8 2 0' 02'
@.(/25' N@2' 501:9' /0(3>' 1%' 7' 5:8?(55(13' /1' 7' 1Q2.3?23f'
/07f' 075' @(/0' /02' ?15f' @73/13' 87.87.(/)' 739' 4.:2/)' 8:.3f'
1:.' 92%2342 255' /1@35' (3' /02' ?(99 2' 1%' @(3/2.' 2M4(/29' /02'
57Q7;25' /1' ?:.92.' 1:.' %7.?2.5' 739' 1:.' 5 7Q25' /1' ?:.92.'
/02(.' ?75/2.5' 739' (5' 2Q23' 31@' 8.(3;(3;' %1.2(;3' ?2.4237.(25'
/1' 92 :;2' 1:.' 52// 2?23/5' @(/0' 8 119' 0252' 7/.14(1:5' (3J
G:.(25' 07Q2' 2M/(3;:(5029' 2Q2.)' .2?7(3(3;' 5H7.>' 1%' 7%%24/(13'
%1.' /07f' H7.23/R41:3/.)' @2' 1342' 02 9' 51' 927.0' 2%1.2'
?2.(47' 413/(3:29' .73> (3' 41:9' 23/2./7(3' 73)' /.27/)' 1%'
7?(/)' 1.' H2742' .27f' .(/7(3' ?:5f' 413523f' 739' 7;.22' /1'
32;1/(7/2' @(/0' 02.'75' 7'%.22' 739' 52H7.7/2' /7/2X' /1' H:3(50' /02'
7/2' 1Q2.31.5' 1%' 1 13(25' @01' 079' 47:529' 739' 7%/2.@7.95'
7;;.7Q7/29' /02' ?(540(2%' 739' /1' .28:(9' /02' /1@35' @0(40'
.(/(50' 51 9(2.5' 079' 925/.1)29' N' >31@0' 02' 4134 :929
N')1:.';.27f' ?1/(Q2' (3' 41?(3;' 0(/02.' @75' /02' 01H2' 1%' 82(3;'
(35/.:?23/7' (3' s2%%24/(3;Z' 7' .24134((7/(13X' 739' ' 82 (2Q2'
@023')1:' %(39' ' (?H155(8 2' 13' 73)' /2.?5' ;(Q23')1:' /1

H.1H152)1:@(.2(3I:(50 51 19(1:5 7 41??739 739 .2/:.3/1 7 ?1.2 0131:.78 2 H.(Q7/2 5/7/(13 0 F

0:5 7 01H2 1% .24134((7/(13 82(3;%1./02 H.2523/ 7/ 73 239 /02 /@1 7.?(25 H.2H7.29 /1 413%.13/ 2740 1/02. @(/0 Q(;1:. (3 /02 %(2 9 1./:32 %1. 7 4135(92.78 2 /(?2 %7Q1:.29 /02 .(/(50 3 /02 ++39 1% :;:5/ 232.7 1@2 :392./02 H.1/24/(13 1% /02 ;:35 1% /02 E 22/ 73929 0(5 %1.425 13 13;5 739<7 %2./(2 /.74/ 1% 739 (3 Q(2@ 1% /02 5 739 739 (/) 1% 2@ 1.><. :;+$739 %(Q2 97)5 7%/2.@7.95 %1:;0/ /02 87//2 1% .11>)3 (3 @0(40 /02 ?2.(4735 15/ 781:/ /@1 /01:5739 ?23 (3 >(29 739 @1:3929 739 327.) 2 2Q23 0:39.29 H.(J 5132.5 3%1./:37/2) %1./02 47:52 1% /02 ?2.(4735 /02(./ 7441?H(5029 ;232.7 7/073(2 .2232 7) 7/ /0(5 /(?2 02 H 255) H.15/.7/29 13 7 5(4>R829 (5 7;(/7/(13 739 73M(2/) 75 /02 .17./1% 473313 .274029 0(5 27. 739 75 79J Q2.52 32@5 @75 %.=1?/(?2 /1 /(?2 8.1>23 /1 0(? ?7) 82 .279() (?7;(329 N .74(1:5 19↑0 2M4 7(?29 /02 A:7>2.R 02.1<N/1 82 413%(329 7/ 5:40 7 /(?2↑0 ÆE D750(3;/13 /11 EP@01 13 027.(3;/02 51:39 1% %(.(3; 079 0:..(29 %.1?2@ 1.>/1 /02 54232 1% 74/(13 739 @01 7..(Q29 13)(3 /(?2 /1 @(/3255 /02 H:.5:(/ 739 5 7:;0/2./ 1% 0(5 /.11H5<P82/.7)29 31 255 Q202?23/) /02 73;:(50 1% 0(5 ?(39 B 2@ 1.> 31@ 7) 7/ /02 ?2.4) 1% /02 Q(4/1.5 Q23 D750(3;/13 01H2%: 739 .251 :/2 75 @75 0(5 37/:.2 522?29 07 % /1 925H7(.

232.7 1@2=5 5:44255 13 13;5 739 18/7(329 %1./ 0(?/02 .92./1% /02 7/0 075 @2 75 0(;0 41??2397J /(13 %(B1?/ 0(5 2?H 1)2.5 N 0152 0 @.(/25 1.9 21.;2 2.?7(32 /1 0(?/ 13 /02 !"/0 1% 4/182./!$$#/ N @01 (3 /02 27.(2./ H7./ 1%)1:./ (%2<%.1?/ 73 1852.Q7/(13 1% /02 (381.3 41:.7;2 739 74/(Q2 5H(./ @0(40)1:/ ?73(%25/29 (3 (3%2.(1./ 5/7/(135<@2.2 29 /1 %1.?/ %7Q1:.78 2 413G24/:.25

F .73> (3=5 (%2 739 D.(/(3;5 Q1 ((HH +S<+"
] .2232=5 (%2 1% 7/073(2 .2232 HH L, S*
(H7.>5=5 (%2 1% D750(3;/13 Q1 (H !,!

.2 7/(Q2' /1' G1:.' %:/:.2' 2MH 1(/5' @(' @(/0' ?2 =8 '07HH)' /1' %(39' /020F' 2MH24/7/(135' 735@2.29' 739' @(' 82' 7;.2278)' 5:.H.(529' /1' 522')1:' ?7>(3;' 5:40' 075/)' 79Q73425' /1@7.95' ?((/7.)' 2M42 2342' 8)' /0:5' :3(/(3;' /1' /02' %(.2' 1%')1:/0' 7 ' /02' @(591?' 739' 4139:4/' 1%' /02' ?15/' 2MH2.(23429' 41?J ?7392. 0'F

134((7/(13'.7/02.'/073' 413I:25/' @75' /02' 18G24/' 1%' 1.9' 1@2' 739' 41352I:23/)' 5H24: 7/(3;' /07/' /02' .25: /' 1%' /02' 7/2' 87// 2' @75' (>2)' /1' 07Q2' 78.(9;29' /02' 0(;0' 92?7395' 1%' /02' ?2.(473' H21H 2' 02' 924(929' 13' ?7>(3;' 731/02.' 7//2?H/' /1' 1H23' 7' 32;1/(7/(13' D(/0' /0(5' 18G24/' (3' Q(2@' 02' 92J 5H7/4029' 13' H7.1 2' /1' -0(792 H0(7' 232.7' 103' :(Q73' @01?' 02' 079' /7>23' H.(5132.' 13' 13;' 5 739' /1' @01?' 02' 413%(929' 7' Q2.87' 4134((7/1.)' H.1H15(/(13' %1.' /02' 413J 5(92.7/(13' 1%' /02' 2792.5' 1%' /02' 2Q1:/(13' /' @75' (?H15J 5(8 2'%1.'0(?'57(9'/02' .(//(50' 9?(.7 '/1'/.27/' @(/0' 13;.255' (3' (/5' 755:?29' (392H23923/' 2;(5 7/(Q2' 47H74(/)' 8:/' 13' /02' 1/02.'0739' (%' /@1' 1.'/0.22' 1%' (/5' ?2?82.5' @1: 9' ?22/' 0(?' 75' H.(Q7/2' ;23/ 2?23' 02' @1: 9' ; 79)' 413%2.' @(/0' /02?B' 13' /02' H.2523/' 92H 1.78 2' 5/7/2' 1%' 7(%7((B5' 02' (3Q(/7/(13' /01:;0' 51?2@07/' /7.9( )' 739' 07:;0/( )' @75' 7442H/29' 8)' 13;.255' 739' 7441.9(3;)' 7' 52 24/(13' @75' ?792' 1%' /0.22' 1%' /02' ?15/' :341?H.1?(5(3;' .2H:8 (4735' 1%' (/5' 819) R/1' 7//239' 7/' /02' 7HH1(3/29' 413%2.2342' 0152' H2.5135' @2.2' 23G7?(3' .73> (3' 9@7.9' 1:/29;2' 1%' 1:/0' 7.1 (37' 739' 103' 973G5' 02' 54232' 1%' /02' ?22/(3;' @75' 754H/((' 01:52' 13' /7/23' 5 739' 327.)' %74(3;' /02' /1@3' 1%' ?J 81)' (3' 2@' 2.52)X' 1.9' 1@2' 925H7/40(3;' 0(5' 87.;2' /1' 413Q2)' 0(5' Q(5(/1.5' 74.155' /02' 1:39' 739' .242(Q(3;' /02?' @(/0' /02' :/?15/' 41:./25)' 1' (39:42' /02?' /1' U.2/:.3' /1' /02(.' 7 2;(7342' /1' /02' (3;' 1%' .27/' .(/7(3' @75' 1%' 41:.52' /02' 9.(%/' 1%' /02' 7.;:?23/5' ?792' :52' 1%' 8)' 1.9' 1@2' 2(/02.' /02' (3;' 31.' 0(5' (3(5/2.5

02' 755?R29' /02?' 23/2./7(329' 73)' 1/02.' /073' 7' >(39)' %22 (3;' %1.' /02' ?2.(473' H21H 2' Q2.)' 1HH.255(Q2' 4/' 1%' -7. (7J ?23/' 1%' @0(40' ?2.(47' 41?H 7(329' 501: 9' 82' .2Q(529' 29.255' 501: 9' 82' .2392.29' %1.' 2Q2.)' ;.(2Q7342' @0(40' 079' (39:429' 02.' /1' 924 7.2' 02.52 %' (392H23923/' 02' 92 2;7/25' (5/2329' 7H7/02/(47)' 739' :3413Q(3429' 02' ?2?1.)' 1%' %1.?2.' (3G:.(25' 739' (35: /5<1%' H2/(/(135' /0.1@3' :3735@2.29' 13' 132' 5(92<1%' (351 23/' 73;:7;2' 2Q2 29' 7/' /02?' (3' /02' .(/(50' -7. (7?23/<739' 75/)' 1%' ?2.(473' 8 119' 5029' 31/' 13)' 8)' .(/(50' 87)132/5'8:/' 8)' 2.?73' 0(.2 (3;5<' @75' 23;.7Q23' %7.' /11' 922H)' 13' /02' 027./5' 1%' /0152' :3J 41?H.1?(5(3;' H7/.(1/5' /1' 79?(/' 1%' 7' ?1?23/=5' 025(/7/(13' ?2.(47' @75' /02(.' %(37' 739' 07:;0/)' 735@2.' @75' @((3;' /1' /.27/' %1.' H2742' @(/0' .27/' .(/7(3'X 8:/' 13)' 75' 7' %(=22' 739' (392H23923/' 37/(13' @1: 9' 502' 4139254239' /1' 32;1/(7/2' (?(7.)' 1%/)' @75' /02(.' .2H)' /1' 1.9' 1@2' @023' 7%/2.' 07Q(3;' 755:.29' /02?' 1%' 0(5' H2.5137' 7%%24/(13' %1.' ?2.(47' 02'(3/(?7/29' 01@' 922H' @1: 9' 82' /02' H7(3' @0(40' 02.'(?H239J (3;' %7' 739' 0:?((7/(13' ?:5/' 14475(13' 0(?' /' @75' 7' H7(3' /02)' 57(9' @0(40' 0(5' 1.950(H' ?(;0/' .25/' 57/(5%(29' /02)' @1: 9' 91' /02(.' :/?15/' /1' 5H7.2' 0(?F' 1.9' 1@2' 079' 31@' 31' 7/2.37/(Q2' 8:/' /02' ?1:.3%:' 132' 1%' 8.27>(3;' :H' /02' ?22/J (3;' 27Q(3;' /02' 92 2;7/25' /1' .2/:.3' /1' 739' /1' .2H1./' H.1;.255' 7/' -0(792 H0(7

02' 8.27>(3;' :H' 1%' /02' 413%2.2342' 13' /7/23' 5 739' @75' %1 1@29' 8)' 7' 52.(25' 1%' 5:44255%:' ?((/7.)' 1HW.7/(135' 13' /02' H7./' 1%' /02' .(/(50' @0(40' 8:/' %1.' /02' %7/7' ?(5/7>25' 739' 1Q2.5(;0/5' 41??(//29' 8)' /02' .(/(50' 232.7 5' ?(;0/' 07Q2' ;132' %7.' /1' 92?1(50' /02' 32@' (82./(25' 1%' ?2J .(47' N' 91' 31/' ?1@ 0' 57(9' 1.9' 1./0' N' @02/02.' 1:.' 232.7 5' @(' %.(;0/23' /02' 232?)' 8:/' >31@' /02)' %.(;0/23' 0 ?2' @0232Q2.' /0(3>' /02? 0' %' 02' 9(575/2.' @0(40' @2(;029' /02' 027Q(25/' 13' /02' ?(39' 1%' D750(3;/13' @75' /02

%7 ' 1% 2@' 1.>' D750(3;/13' 07HH2329' /1' 82' 7/' 0(5' 2H:5'
(279RI:7./2.5' 7/' 77. 2?' 781:/' 3(3 ' ?(25' %.1?' /07/' 4(/)'
@023' %1.' /02' 524139' /(?2' /02' 9(5/73/' .17.' 1%' 7./(2.)' 73J
31:3429' /1' 0(?' /07/' /02' .(/(50' (3' 0(5' 7852342' @2.2' H.255J
(3;' Q(;1.1:5)' :H13' 0(5' /.11H5' 1.' /02' 524139' /(?2' 02'
@75' /1' 82' 5223' .(9(3;' (?H2/:1:5)' /1@7.95' /02' 54232' 1%'
74/(13' X 925/(329' 7;7(3' /1' 8201 9' 7' 9(5027./23(3;' 54232'
1%5 7:;0/2.' 739' .1:/' N' 5' 5113 0' 02'@.(/25' '75' '027.9'
/02' %(.(3;' ' .192' @(/0' 7 ' H155(8 2' 925H7/40' /1@7.95' /02'
H 742' 1%' 739(3;' @023' /1' ?)' ;.27/' 5:.H.(52' 739' ?1./(%(47J
/(13' ' %1:39' /02' /.11H5' /07/' 079' 8223' H15/29' (3' /02' (325'
.2/.27/(3;' @(/0' /02' :/?15/' H.24(H(/7/(13 0' F' N' D 2' ?792 0
@.(/25' 232.7' .2232' %(1?' 77. 2?' 2(;0/5' /1' 7' %.(239
N' 7' ?(52.78 2' 9(51.92.)' .2./.27/' %.1?' 2@' 1.>' 1@(3;' /1'
/02' 975/7.9)' 4139:4/' 1%' /02' ?((/(7' @01' .73' 7/' /02' 7HH27.J
7342' 1%' /02' 232?)=5' 79Q73429' :7.9' 2 1@5=5' 739' -7.J
5135=5' .(;7925' .73' 7@7)' %.1?' 781:/' %(%/)' ?23' 739' 2%/' 0(5'
M42 234)' 13' /02' ;.1:39' @(/0(3' 2(;0/)')7.95' 1%' /02' 232?)'
51' Q2M29' 7/' /02' (3%7?1:5' 4139:4/' 1%' /02' /.11H5' /07/' 02' 51:;0/'
927/0' .7/02.' /073' (%2 0' %' 3' /02' (3/235(/)' 1%' 0(5' Q2M7/(13'
739' @.7/0' D750(3;/13' (5' 57(9' /1' 07Q2' /0.1@3' 0(?52 %(3' %.13/'
1%' /02' /2..(%(29' %:;(/(Q25' /0.27/23(3;' /1' .:3' /02?' /0.1:;0' U
/02' 819)' @(/0' 0(5' 5@1.9' :3 255' /02)' 5/119' /02(.' ;.1:39' 739'
2Q23' 537HH(3;' 0(5' H(5/1' 7/' /0152' @01' H2.5(5/29' (3' 413/(3:J
(3;' /02(.' (;31?(3(1:5' %(;0/B' N' ' :529' 2Q2.)' ?2735' (3' ?)'
H1@2.0' 02' @.(/25' N' /1' .7)"739' ;2/' /02?' (3/1' 51?2' 1.92.'
8:/' ?)' 7//2?H/5' @2.2' %.:(/ 255' 739' (32%%24/:7 '739' 13' /02'
7HH27.7342' 1%' 7' 5?7 ' H7./)"1%' /02' 232?) < P31/ ?1.2' /073'
5(M/)' 1.' 52Q23/) < /02(.' 9(51.92.' (34.27529' 739' /02)' .73' 7@7)'
(3' /02' ;.27/25/' 413%:5(13' @(/01:/' %(.(3;' 7' 5(3; 2' 501/0 ' 1'
15/' (3' /02' 7;13)' 1%' /02' 01:.' @75' D750(3;/13' /1' 2Q2.)'
4135(92.7/(13' 1%' H2.5137' 57%2/)' /07/' 0(5' 5/7%%' @2.2' 41?R

F' D750(3;/13=5' D.(/(3;5' 8)' H7.>5' Q1 ' (Q' H' ,S'
/' '5 # HH' ,S<V'
d' '5 # H' ,S

H2 29B/1' 5?(62 (1 9 1% /02 8.(9 2 1% 0(5 01.52 739 %1.4(8)' @(/09.7@ 0(?' %(B1?' /02 %(2 9 F 07/ 97)' 232.7 ' 31@ (.' D((7?' 1@2 ' 23/2.29 2@ 1.>' (3 /.(:?H0

02 47H/:.2 1% 2@ 1.>' @75 5:4422929 8)' /0W 87// 2 4/' ' 1% D0(/2 - 7(35' 02.2' :H13 ;.1:39 13 @0(40 7 8:5)' .7(@7)' 5/7/(13' 13 /02 77.2?' (32' 31@ 5/7395' 739 327.' @0(40 7 .25(92342 1% D750(3;/13 (5 5/(' .2Q2.23/(7)' H1(3/29 1:/ /1 /02 /.7Q2 2.' (.' D((7?' 1@2' 7/ /02 0279' 1% /0(./223 /01:5739 .(/(50' 92%27/29 2(;0/223 /01:J 5739 /0.22 0:39.29 ?2.(4735' 255 /073 /0.22 @22>5 7%/2.@7.95' 1./ D750(3;/13' @(/0 (/5 Q7 :78 2 ?7;76(32 1% 1Q ' 5/1.25' @75 ;7 73/)' 5/1.?29 739 47H/:.29 8)' /02 .(/(50 /.11H5X 31 %2@2.' /073 /0.22 /01:5739 ?2.(4735 82(3;' 2(/02.' >(29' @1:3929' 1.' /7>23 H.(5132.5' D750(3;/13' 75 02 8202 9 /02 5 7:;0/2.' 1% 0(5 /.11H5' (5 57(9 /1 07Q2 N 4.(29 @(/0 /02 /2392.3255 1% 7 40(9 0 N 0(5 (5 7 ?15/ :3%1./:37/2 7%%7(. 0 02 @.(/25 /1 0(5 8.1/02.' N 739 075 ;(Q23B ?2 ;.27/ ?1./(%(47/(13 0 %' 2%1.2 /02 4 152 1% /02)27.' 1/02.' 5:4425525 7//23929 /02 .1)7' 7.?5' 232.7' (3J /13 079 41?H2 29 /02 ?2.(4735 /1 7873913 0192 5 739' 1.9 1.3@7 (5' 07Q(3;' 2%%24/29 7 739(3;' (3 2@ d ' 2.52)' 079 9.(Q23 /02 232?)' 82)139 /02 7>23574>' (Q2.' 739 1Q2..:3 /02 23/(.2 -.1Q(342' (.' D((7?' 1@2 079 79Q73429 0(5 /.11H5 /1 /02 873>5 1% /02 2 7@7.2' 02 ?2.(473 13;.255 079 8223 %1.429 /1 /.735%2.' (/5 5(//(3;5 24' ' %%1?' -0(792 H0(7 /1 7/(?1.2' 232.7' 22' 132 1% /02 78 25/ 1% /02 ?i.(473 41??7392.5' 079 8223 5:.H.(529 24'!L' 7/ 3(;0/ (3 7 H.(Q7/2 01:52 739 47..(29 1%% (3 /.(:?H0' D750(3;/13 0(?52 % ?(;0/ 7/ 132 /(?2 82 57(9 /1 82 7 %:;(/(Q2

3 /02 ?273 /(?2' @0(2 /0(5 :307HH)' @7.%7.2 @75 9251R

F H7.>5=5 (%2 1% D750(3;/13' Q1 ' (' HH '!,"' !*,X 1.913B5 (5/' 1% /02 ?2.(473 92Q1 :/(13' Q1 ' ((' H'G"+$R

/' 1.913=5 (5/' 1% /02 ?2.(473 2Q1 :/(13' Q1 ' ((' H' ' ' D750(3;/13=5 D.(/(3;5' Q1 ' (Q' H'!"L

7/(3;' / (2' 2@' D 1. 9' H1 (/(47' H.2G:9(42' @75'5/(' 7/'@1.>' (3' /02' 9' 3'/02' L!5/'1%' 4/182.' /0.22' 97)5'7%/2.'/02' 7// 2' 1%' D 0(/2' - 7(35' /02' .(/(50' -7. (7?23/' .27552?8 29' 7/' D 25/?(35/2.' 5'13' (>2'%1.?2.' 14475(135'/02' 5H2240'%(B1?' /02'/0.132' @75' .2H 2/2' 75'%7.' 75' .2 7/29' /1' ?2.(47' @(/0F ?(5.2H.2523/7/(135' 739' ?(5(3%1.?7/(13' ;7(3' /02' 318 2' 5/739' @0(40' /02' ?2.(4735' @2.2' ?7>(3;'%1.'/02(.' (82./(25B @75' 754.(829' /1' 92 (82.7/2' 739' 13;R41342./29' /.27513' ;7(3'/02'@(52'739'9(;3(%(29'%1:392.5'1%'/02';.27/' 2H:8 (3' ^D2.2'5H1>23'1%'75'7'?2.2'52/'1%'97.(3;'739'925H2.7/2'.282 5<' 75' ?23' @01' /1' 5:(/' /02((F BQ(?52 %(50'H:.H1525' 079' 92 :929' /02(.' %2 1@R41:3/. :323' (3/1' 2M4073;(3;' /02' 8 255(3;5' 1%' 7@' 739' 1%' 1.92.' %1.' /02' 47 7?(/(25' 1%' @7.' 739' /02' /).733)R' 1%'/02(.' 1@3' H21H 2' 5'%1.' /02' @7.' (/52 %' 51' (// 2' 47H78 2' @2.2' (3(5/2.5' 1%' 7HH.24(7/(3;' (/5' ?7;3(/:92' 739' H.1878 2' 9:.7/(13' /07/'N' ' ' O' @75' ?23/(1329' 75' 82(3;' 7' /07/' ?(;0/' 82' .2I:(.29' /1' 8.(3;' (/' /1' 7' 5:44255%:' 4 152 F' N' 02.2' (5' 31' ?73' @01' 075' 744255' /1' 0(5' 7G25/) OB @.(/25' 1.9' 14>(3;07?' N'@01' 075' (3/2;.(/)' 739' ?7;37J 3(?(/)' 1%' ?(39'5:%%(4(23/' /1' 2378 2' 0(?' /1' ;1' 739' 57)' /1' 0(5' 7G25/) < ^/02' ?275:.25' 739' H1 (4)' 1%'/02' (3(5/2.5' /1@7.95' ?2.(47' 7.2' 2..1321:5X /02' 7902.2342' /1' /02?' (5' 925/.:4J /(13 ± % @' 7995' 0(5' 1.950(H' N' 7/' 275/'@2' 7.2' 42./7(3 '' /07/' %1.42' Q(1 2342' 739' 4.I2 /)' 07Q2' 8.1:;0/' /02' 41:3/.)' (3/1' /0(5' 9(.2%:' 5(/:7/(13' 02' .2Q2.52' 1%' 5:40' ?275:.25B (5' /02' 13)' /0(3;'%(/' /1' /.) O' %

3' -7. (7?23/' /02' 185/(37/2' 739' 9(575/.1:5' H1 (4)' H:.RB 5:29' 8)' (3(5/2.5' 413/(3:29' /1' H.1Q1>2' ?73)' %(2.42' 739' 2 1I:23/' 73(?79Q2.5(135' R 3' /02' 1:52' 1%' 1??135P<' @02.2' 73' ?239?23/' /1' /02' 99(F255' /1' /02' 0.132' @75' ?1Q29' 8)' 1.9' 103' 7Q239(50' 739' 52413929' 8)' /02' 7.I:(5' 1%' .738)<(/' @75' 78)F739' 81 9)' 7.;:29' 8)' /0152' 318 2?23' /G7/' :3 255' ;.27/' @.13;5' 079' 8223R

F' -7.(' (5/' Q1(' MQ(((' 41 5' !L##<$'
]' 14>(3;(7?'-7H2.5' Q1/' ((' H' L*

(3% (4/29' 7' @01 2' H21H 2' @1: 9' 32Q2.' 07Q2' 8223' (39:429' /1' .2Q1 /X' /07/' /02' 2..1.5' 1%' (3(5/2.5X' 739' /02' (;31.7342' 1% -7. (7?23/' 75' /1' /02' .27' %2203;5' 739' .2I:(.2?23/5' 1%' /02' H21H 2' 1%' ?2.(47' 079' 9.(Q23' /0(./223' 7.;2' -.1Q(3425' /1' 925H7(.X' /07/' /02(.' .2(/2.7/29' 41?H 7(3/5' 739 H2/(/(135' %1.' .29.255' 079' 8223' 9(5?(5529' @(/01:/' 7' 027.(3;X' 739' 75/)' /07/' 31/' %2@2.' /073' /0(./223' @22>5' 079' 8223' 4:H78)' 7 1@29' /1' 2 7H52' 82/@223' /02' 7HH1(3/?23/' 1%' /02' 40(2%' 1?J ?(55(132.' 739' 0(5' 92H7./:.2' %.1?' 3;739' 392.' 7' /0252' 4(.4:?5/73425' (/' @75' (35(5/29' /07/' /02' ?2.(4735<' /01:;0' 42./7(3)' /1' 8 7?2' %1.' 07Q(3;' /11' H.24(H(/7/2)' .251./29' /1' Q(1 23/' ?275:.25<079' 91:8/255' %2/' /023(R' 52 Q25'G:5/(%(29' (3' 924 7.(3;' /02?52 Q25' 7' 51Q2.2(;3' H21H 2' 739' /02.2%1.2' (/' 8201Q29' /02' 1:52' /1' 2MH.255' (/5' .25H24/' %1.' /02' 5H(.(/' 739' H.(34(H 25' @0(40' 079' H.1?H/29' /02?' /1' 5/.:;;2' %1.' /02(.' .(;0/5' N D 2' 501:9' 11>' @(/0' /02' :/?15/' 507?2' 739' 01..1.0' H.142295' /02' ?239?23/' N 13' 73)' 2Q23/5' /239(3;' /1' 8.27>' /02' 5H(.(/' 1%' 73)' 7.;2' H7./' 1%' /02' .(/(50' 37/(13X' /1' 81@' /02?' /1' 73' 78G24/' :3413J 9(/(137' 5:8?(55(13' /1' 73)' H1@2.' '@07/512Q2.X' /1' 733(0(7/2' /02(.' (82./(25' 739' /1' 5:89:2' /02?' /1' 52.Q(2' H.(34(H 25' 739' H755(Q2' 078(/5' 8)' /02' ?2.2' %1.42' 1%' %1.2(;3' ?2.4237.)' 7.?5 0

02' 7?239?23/' @75' 5:HH1./29' 8)' 52Q2.7' ?2?82.5' @(/0' 4135(92.78 2' 78(0/)' N D 02.2 0' (/' @75' 75>29' N 7.2' /0152' ?(;0/)' 2792.5' /1' 82' %1:39' @01?' /02' ?2.(4735' 7.2' 57(9' 182)' 51' (?H (4(/)' 739' @01' ;1Q2.3' /02?' @(/0' 51' 925H1/(4' 7' .:2' ¢ 02)' 07Q2' 31' ;(R739225' 7?13;' /02?' 02(.' 51(' (5' 31/' H.19:4/(Q2' 1%' 318(/)' 3' 31' 41:3/.)' 7.2' /02.2' 51' %2@' (39(Q(9:7 5' H15525529' 1%' 7' 41??739(3;' 1.' 2M/235(Q2' (3% :2342' 02' -.25(923/' 1%' /02(.' 5:H.2?2' 552?8)' (5' 7' ?2.4073/' 02' 232.7' 1%' /02(.' 7(?(25' (5' 7' H.(Q7/2' ;23/ 2GP' ?73 0' 02' ?2.(4735' 7.;:29' D(>25' 079' ?2.2)' %1 1@29

/82' 2M7?H 2' 52/' /02?' 8)' /02' ?1/02.R41:3/.)' @023' 502' .152R' (3' 7.?5' 7;7(35/' /02' /).733)' 1%' 7?25' /02' 24139' D023' /07/' ?137.40' 02' 57(9' I:(//29' /02' >(3;91?' 3;739' 079' H.131:3429' /02' /0.132' /1' 07Q2' 8223' 789(47/29' 739' 40152X' %1.' 02.52 %' 731/02.' (3;' 3' (>2' ?7332.' @023' /02' 7/2' 7@5' H75529' 7;7(35/' /02' ?2.(4735' 079R' /0.1@3' /02?_' (3/1' 7' 5/7/2' 1%' 737.40)' /02)' 924 7.29' /07/' /02K' .(/(50' 2;(5 7/:.2' 079' 789(47/29' (/5' %:34/(135' 739' /07/' /02)' @2.2' 23/(/ 29' R/1' 401152' 7' ;1Q2.3?23/' %1.' /02?52 Q25' .27/' .(/7(3' (35(5/29' D(>25' @75' 23;7;29' (3' 7' 57Q7;2' 739' H(.7/(47' 75' @2' 75' 73' :3G:5/' @7.' N 02' 2Q(0' 02' 2M4 7(?29' N';.1@5' ?1.2' 925H2.7/2' 75/')27.' 13)F' /@2 Q2' 1 13(25' 0:?8)' H2/(/(1329' /02' /0.132' 0(5')27.P' 8)' /02' 744255(13' 1%' 21.;(7' @2' 07Q2' 5223' 7' %292.7_' :3(13' 1%' /0(./223' %.22' 739' H1@2.%:' H.1Q(3425' 7552./(3;_' /02(.' 392H239234)' 75' 0(;0' 739' ?(;0/)' /7/25' 739' 52//(3;' 1:.' H1@2.' 7/' 92%(7342' 0(5' @75' 9132' @(/0' 4(.4:?R_' 5/73425' 1%' 5H(.(/' 739' 41:.7;2' /1' @0(40' H15/2.(/)' @(' 91' G:5/(42' /' @75' 9132' 9(.24/)' 7%/2.' /02' 57%2' 739(3;' 1%')1:.' @01 2' %1.42 0'^

)' 81/0' 1 132' 7..W' 739' 1M' (/' @75' H.1H02/(47)' 7.;:29' /07/' 7' H.1 13;29' 413/25/' @(/0' ?2.(47' @1q 9' (32Q(/78)' H:3;2' .27/' .(/7(3' (3/1' 7' @7.' @(/0' .7342' N 02' 7//74>' @(' 501./)' 82' ?792 0' 2M4 7(?29' 7..W' N 739' ?792' @(/0(3' /02' 027.(3;' 1%' /0152' @01' 31@' 5(/' (3' /0(5' 1:52' 23/2?23' ?7)' 7:;0X' 8:/' '97.2' 7Q2.' /07/' /0152' @01' 7:;0' 31@' @(' (3' /02' ?1?23/' 1%' 973;2.' 82')(3;' (3' /27.5' 13' /02(.' 874>5' (>2' 41@7.95 0'%' /' 079' 8223' 413J /23929' 57(9' 1M' /07/' ?2.(473' 392H2392342' @75' 1HH1529' /1' /02' (3/2.25/5' 1%' .7342' 739' H7(3' 8:/5:40' 73' 7.;:?23/' @75' .2H:;373/' /1' 41??13' 52352' N 5' 31/0' 02' 75>29 R' N /02' 9(Q(5(13' 1%' 73' 232?)=5' H1@2.' 79Q73/7;21:5c' 5' 31/' 7' %.22' 41:3/.)' 23;7;29' (3' /.792' 255' %1.?(978 2' /073' /0W

7?8(/(13' 1%' 73' 1 9' 41..:H/29' ;1Q2.3?23/' /82(.' 13)' %1.J ?(978 2' .(Q7'(3' :.1H2c0 F

1/@(/05/739(3;' /0252' @(52' 739' 5H(.(/29' 7HH27 5' 13' /02' H7./' 1%' /02' HH15(/(13' /02)' 9(Q(929' 13)' 2(;0/)R52Q23' Q1/25' 7;7(35/' /@1' 0:39.29' 739' %1./)R/@1' 3' /02' 1:52' 1%' 1.95' @02.2' 1.9' 14>(3;07?' ?1Q29' 73' 7?239?23/' /1' /02' 99.255' /02' ?(31.(/)' 74/:7)' 3:?82.29' 13)' /@23/)R5(M '%

!$$$' ' /' @75' 7/' /02' 4 152' 1%' /0(5' 255(13' /07/'(3' 7' ?2?1.78 2' 739' 027./R5/(..(3;' 7HH27' /1' 0(5' 8.1/02.' -22.5' /02' (:5/.(1:5' 7)'L*' 07/07?' 23927Q1:.29' /1' 7Q2./' /02' B9(5?2?82.?23/' 1%' /02' 2?H(.2' 739' 7' 413/(3:7342' 1%' /02' 01..1.5' 1%' 4(Q(' @7.' 1.' /02' 75/' /@1')27.5' 02' 079' 8223' H.2Q23/29' 8)'(3255' %.1?' 144:H)(3;' 0(5' 744:5/1?29' 527/' (3' /02' - 1:52' 1%' 1.95' 739' 2Q23' 31@' @023' 02' 7/' 23;/0' ?792' 0(5' 7HH27.7342' 0(5' 827.(3;' @75' 5/(' /07/' 1%' 73' (3Q7 (9' 739' 0(5' (?85' @2.2' 5@7/029' (3' %7332 5 TP' 25H(/2' 01@2Q2.' /02' 73;:1.' @0(40' 522?29' /1' 1HH.255' 0(?' 02' 92 (Q2.29' 0(5' 523/(?23/5' @(/0' ?:40' 1%' /02'%2.Q1:.' 739' (3' 7' /02' 827:/(%:' 73;:7;2' 1%' %1.?2.' 97)5' 1@)' 739' 51 2?3)' 02' ?1Q29' 73' 799.255' /1' /02' /0.132' 92H.247/(3;' /02' :337/:.7' @7.' @0(40' .27/' .(/7(3' @75' @7;(3;' 7;7(35/' 02.' 1 13(25' 739' 8252240(3;' 0(5' = 7G25/)' 5H229( )' 739' 2%%24/:7)' /1' 8.(3;' (/' /1' 7' 4 152' 8)' 7:/01.(5(3;' 7' 5@22H(3;' .29.255' 1%' /0152' 744:?:7/29

F' -7.(' (5/' Q1' MQ(((' 41' !SL*' N 07.25' -1M O' @.(/25' D7H12' N735@2.29' 1.9' 21.;2' s 2.?7(322' (3' 132' 1%' 0(5'%(325/' 739' ?15/' 73(?7/29' 1.7/(135' 739' @(/0' 52Q2.(/)'/1' /02' 735@2.29' H2.513' 2?792' 1.9' 1./0=5' 4134((7/1.)'H.1H15(/(13' 82'.279' @0(40' 02' 57(9' 0(5' 1.950(H' 522?29' /1' 07Q2'%1.;1//23X' 739' 02' 924 7.29' ' 5 ' ' 4' ' 4' 4 ' ') : ' # .' (8813' 7:/01.' 1%' /02' 1?73' (5/1.)' 7' Q2.)' ;119' G:9;2< 739' 82(3;' 13' /02' 1?F' 5(92' 7' Q2.)'(?H7./(7' 132<' /1 9' ?2' 02' 32Q2.' 027.9' 7' ?1.2' ?75/2.)' 5H2240' /073' 1M=5' (3' 0(5' (%2 O' - 1' 0 '? 'Q1' ((' H' "*

]' -7.(' (5/' Q1' MQ(((' 41 5' !L,+' !SL!

' :>2' 1%' .7%/13=5' 2?1(.5X' 7.' /7301H2=5' (5/' 1%' 3; 739' Q1' Q('H' MQ((' HH239(M' 1.9' 07/07?' 079' 8223'('739' 524 :929'%.1?' /02' @1.9' 5(342' /02' 5H.(3;' 1%' !$$V' N' 1.9' 07/07? K' @.(/25' 1.9' 7?923' /1' /02' :>2' 1%' .7%/13' 13' /02' S/0^ 1%' 73:7.)' !$$#' N 413/(3:25' (3' /02' 57?2' ?2 73401)' @7)' X' 739' /02' 01:52' (5' 51' 50:/' /(H' /07/' 0(5' 5135' 7.2' 31/' H2.?(//29' /1' .242(Q2' Q(5(/1.5 O' C '+ ' I ' Q1' Q('H' !!*' ^

; .(2Q73425' :392.' U@ ((4 (' ?2.(47' @75' 781:.(3;')' 31' 1/02.' ?2735' 02' 57(9' 41: 9' .27/' ./7(3' .241Q2.' %1.' 02.52 %' /02' 7%%24/(135' 1%' /02' ?2.(473' H21H 2' N' 02' ?2.(4735 0' 02' 2M4 7(?29' N'7.2' .282 5X 8:/' @07/' 7.2' /02)' .282 5' %1.cK' :.2)' 31/' %1.' 92%239(3;' /02(.' :3I:25J /(1378 2'.(;0/5 0' 02' 973;2.' @75' (??(323/X' /02' .2?29)' 1:;0/' /1' 82' (??29(7/2' 1./)' /01:5739' 2.?73' 811.5' 02' 57(9' 41: 9' 32Q2.' 413I:2.' /23' /(?25' /02' 3:?82.' 1%' .(/(50' %.22?23' 02)' ?(;0/' .7Q7;2' 8:/' /02)' 41: 9' 32Q2.' 413I:2.' ?2.(47' N' 1T 0' 02' 2M4 7(?29X N'(/' (5' (?J H155(8 2'' 1:' 47331/' 413I:2.' /02' ?2.(4735' 13'/7 >' 1%')1:.' 3:?2.1:5' %.(2395' /1' 733(0(7/2' /02' 13;.255' 739' 1%')1:.' H1@2.%:' %1.425' /1' 9(5H2.52' /02(.' 7.?)' 8:/' 0< 739' 02' .7(529' 0(5' 5/7%%' 75' 02' 5H1>2<N' ' ?(;0/' 75' @2 ' /7 >' 1%' 9.(Q(3;' /02?' 82%1.2' ?2' @(/0' /0(5' 4.:/40 0' 7>2' 7@7)' 02' 7.;:29' 7' ./(/(50' 7.?)' %.1?' /02' H.1/24/(13' 1%' /02' % 22/' 739' (/' @1: 9' 82' 5/7.Q29' %'9(5H2.529' (/' @1: 9' 82' 4:/' /1' H(2425' (3' 92/7(' N' 1:' 07Q2' 8223' /0.22')27.5 0' 02' 57(9' N /2740R.' (3;' /02?' /02' 7./' 1%' @7.' 739' /02)' 7.2' 7H/' 5401 7.5' ' @(' Q23/:.2' /1' /2 ')1:.' 1.950(H5' /07/' /02' ?2.(473' ;23/.)' @(' ?7>2' 1%%(42.5' 231:;0' %(/' /1' 41??739' /02' /.11H5' 1%' 7 ' /02' :.1H273' H1@2.5' D07/')1:' 07Q2' 523/' /02.2' 7.2' /11' ?73)' /1' ?7>2' H2742' X /11' %2@' /1' ?7>2' @7.' 1:' 47331/' ?7>2' /02?' .25H24/')1:' P 1:' 47331/' ?7>2' /02?' @27.')1:.' 4 1/0' 1:' @(' H 73/' 73' (3Q(34(8 2' 07/.29' (3' /02(.' 8.275/5' 7;7(35/')1:' 1?(3;' %.1?' /02' 5/14>' /02)' 91' /02)' 473' 32Q2.' .25H24/')1:0' .27/' ./(/7(3' 02' 2M4 7(?29' 079' 57(9' /1' ?2.(47<N' 7)' 91@3')1:.' 7.?50' 739' ?2.(47' 079' .2H (29' (3' /02' 73;:7;2' 1%' /02' H7./73<N 1?2' 739' /7>2' /02?T0' .27/' ./(/7(3' 079' /.(29' /1' 2M74/' :34139(/(137' 5:8?(55(13' 02' 1:;0/' 31@' /1' /.)' /02' 2%%24/' 1%' :34139(/(137' .29.255 F' N')' 1.95 0' 02' 57(9' 13' .(5(3;' 7' 524139' /(?2' /7' 5H27>' N')1:' 07Q2' 8223' /02' 7;;.2551.5' %.1?' /02' 82;(33(3;Q

' 57)' 7;7(3' /0(5' 41:3/.)' 075' 8223' /02' 7;;.2551.' 1:' 07Q2' ?792' 925423/5' :H13' /02(.' 4175/5' 1:' 07Q2' 8:.3f' /02(.' U/1@35' H:392.29' /02(.' 41:3/.)' ?792' @7.' :H13' /02' (307J 8(/73/5' 413%(547/29' /02(.' H.1H2./)' H.154.(829' 739' (?H.(J 51329' /02(.' H2.5135 0' ;7(3' 739' 7;7(3' 02' :.;29' /02' 1:52' /1' .29.255' /02' ;.(2Q73425' 1%' ?2.(47' 8)' .2H27 (3;' /02' 7@5' 1%' @0(40' 502' 41?H 7(329' 739' 74>31@ 29;(3;' /02(.' .(;0f' /1' 9(5H152' 1%' /02(.' 1@3' ?132)' N 02' H21H 2' 1%' ?2.(47 0' 02' 4134:929' Nf 11>' :H13' -7.07?23f' 75' /02' 7:/01.5' 1%' /02(.' ?(52.(25' 02(.' 7%%24/(135' 7.2' 25/.73;29' %.1?' /02(.' 1Q2.2(;3' 2/' /023' .2H7.7/(13' 41?2' %.1?' /02' 07395' /07f' (3% (4/29' /02' (3G:.(25' 2f' 4134((7/(13' 5:44229' 4075/(52?23/' 739' '91' ?7(3/7(3' /07f' -7.(7?23f' @(' 7;7(3' .241Q2.' (/5' 7:/01.(/)X /07f' 0(5' 7G25/)' @(' 82' 1342' ?1.2' 23/0.1329' (3' /02' 027./5' 1%' 0(5' ?2.(473' 5:8G24/5X 739' /07f')1:.' 1.950(H5< 75' 413/.(8:/(3;' /1' 51' ;.27/' ;1.(1:5' 57:/7.)' 739' 823(;373f' 7' @1.><@(' .242(Q2' /02' H.7)2.5' 739' 82329(4/(135' 1%' 2Q2.)' H7.f' 1%' /02' .(/(50' ?H(.2 0' F'

?13;' /0152' @01' (5/2329' /1' /0(5' 42 28.7/29' 5H2240' @75' /02' %:/:.2' H.(?2' ?(3(5/2.' D((7?' -(//' /02' 513' 1%' /02' (:5/.(1:5' 1.7/1.' 1' 0(5' ?1/02.' 79)' 07/07?' 02' @(B(/25' 13' /02' %1 1@(3;' 97)<Nf' 47331f' 02 Hf' 2MH.255(3;' /1')1:' 01@' 07HH)' 82)139' 9254.(H/(13' ' %22' (3' .2% 24/(3;' /07f' ?)' %7/02.' @75' 78 2' /1' 2M2./' (3' /02(.' %:' Q(;1:.' /02' 523/(?23/5' 739' 2 1I:2342' @0(40' 07Q2' 7 @7)5' 9(5/(3;:(5029' 0(?' (5' %(.5f' 5H2240' /11>' :Hf' 07 %' 73' 01:.' 739' @75' %:' 1%' 7' 0(5' :5:7' %1.42' 739' Q(Q74(/) 0<Nf' 2' 5H1>2' 7' 524139' /(?2' (3' 735@2.' /1' 1.9' D2)?1:/0' /1' 2MH 7(3' /02' 18G24f' 1%' 0(5' ?1/(13' 739' 0(5' (3/23/(13' /1' %1 1@' (f' 8)' 132' %1.' /02' .2H27' 1%' 7' /02' 4/5' 1%' -7.(7?23f' @0(40' %1.?' /02' 5)5/2?' 1%' 4075/(52?23/' 0(5' 02' 9(9' (3' 7' %1@' 1%' 2 1I:2342' 739' @(/0' 7'827:/)' 1%' 2MH.255(13' 73(?7/29' 739' 5/.(>(3;' 82)139' 413R' 42H/(10 0' GR' ' 3%1./:37/2)' /02' 2 1I:2342' 1%' /02' ;.27f' 7.

F' -7.(' (5/' Q1' M(M' 41 5' LSL<S
]' (7/(7?' 1..25H' QH' (.' HH'

H.19:429' 31'82//2.'.25: /5' /073' (/'879' 9132' 13'%1.?2.'5(?(7.' 14475(135' N 02' 282 5 0' 2M4 7(?29' 1.9')//2 /13' (3J 5: /(3;)' N07Q2' 79929' /1' 7 ' /02' 01..1.5' 1%' @7.' /02' 8.:/7 (/)' 1%' 57Q7;25' 739' /02' /.27402.)' 1%' 41@7.95 0 F' (3(5/2.5' 740(2Q29R'7' 41?H 2/2' /.(:?H0' 07/07?=5' ?1/(13' @75' .2G24/29' 8)' 7' ?7G1.(/)' 1%'3(32/)R3(32' /1' /@23/)R2(;0/

F' -7.(' (5/ ' Q1 ' 57M' 41 ' "LL

- ’ &&&

.(/(47’H15(/(13’1%’/02’ ?2.(473’ .?) < 7// 25’1%’ .23/13’ -.(342/13’739’ .739)J
@(32 < -0(792 H0(7’144:H(29’8)’/02’ .(/(50 < 7// 2’1%’ 2.?73’ 1@3 < MH2J
9(/(13’1%’ 232.7’ :.;1)32 < 1’;7(35’/02’ 7// 2’1%’ 2)?:5=5’ 2(;0/5’8:/’
(5’41?H2 29’/1’@(/09.7@’0(5’%1.425’739’7/’75/’B/1’5:..2392. < 5’>(39)’
/.27/29’8)’/02’ ?2.(473’ 232.75 < 3%7/:7/(13’1%’/02’ 1?2’ 1Q2.3?23/<’
07/07?=5’ H2240’13’/02’2?H1)?23/’1%’ 39(735’(3’/(2’D7.< (5’ ?239J
?23/’/1’/02’ 99.255’.2624/29<P 02’ .2340’ 1Q2.3?23/’%.(239)’/1’ ?2.(473’B
392H2392342

’ 7/2)’ @2’ /11>’ 27Q2’1%’/02’ 501.25’1%’ ?2.(47’
232.7’ (3/13’@75’ ?75/2.’1%’ 0192’5 739’X 1.9’ 1.3J
@7 (5’079’1Q2..:3’ 2@’ 2.52)’X (.’D((7?’ 1@2’079’
9.(Q23’D750(3;/13’74.155’/02’ 2 7@7.2B 79’/02’ .(/(50’
.?)’8223’41??73929’8)’7’)1:3;2.’739’?1.2’79Q23/:.1:5’
232.7’/073’ (.’D((7?’ 1@2’/02’H.1878(/)’522?5’/1’82’
/07/’?:40’;.27/2.’79Q73/7;2’@1: 9’07Q2’8223’/7>23’1%’/02’
232?)=5’ @27>3255’ 739’ 925H139234)X /07/’/02’ 47?H7(;3’
@1: 9’07Q2’8223’H.1 13;29’(3/1’/02’@(3/2.’?13/05’X /07/’/02’
2 7@7.2’@1: 9’07Q2’8223’4.15529’X -0(792 H0(7’47H/:.29’X
739’31/’(?H155(8)’/07/’/02’5:8?(55(13’1%’/02’23/(.2’413/(323/’
@1: 9’07Q2’%1 1@29’ /’@75’7’4.(5(5’(3’ ?2.(473’7%(7(.5’
@0(40’%(29’2Q23’/02’ ?(39’1%’D750(3;/13’@(/0’7HH.2023J
5(135’ N’ 2’/.2?8 29 0’02’57(9’N’%1.’/02’%7/2’1%’ ?2.(47’
@0(40’ 31/0(3;’8:/’/02’(3%7/:7/(13’1%’/02’232?)’41:9’07Q2’
24’!"’57Q29 0’(" N %’2Q2.)’32.Q2 0’02’@.(/25’/1’0(5’8.1/02.’N82’
31/’5/.7(329’/1’.24.:(/’/02’32@’7.?)’@(/0’7’H155(8 2’
2MH29(/(13’’/0(3>’/02’;7?2’(5’H.2//)’327.)’:H 0’ ;7(3

F’ 1.913=5’ (5/’1%’/02’ ?2.(473’ 2Q1 :/(13’Q1’((’H’L,*’
/’D750(3;/13=5’D.(/(3;5’8)’ H7.>5’Q1’(Q’H’+L!

(3' 41? ? : 3(47/(3 ;' /1' 0(5' %G : /73/R 232.7 ' 1 132 ' 229 '
73' (3/23929' 7//74>' 13' /02' .(/(50' 7/' .23/13 ' 02' @.(/25 <
N' 1.' 27Q23=5' 57>2 ' >22H' /0(5' /1')1 : .52 %' 75' /02' 9(541Q2.)'
1%' (/' ? 7)' H.1Q2' %7/7 ' /1' : 5X 1 : .' 3 : ? 82.5 ' 51. .)' 7 ?' ' /1'
57) ' 82(3 ;' 255' B/073' ' 079' 079' 73)' 41342H/(13' 1%X' 8 : /'
324255(/) ' 9(.2' 324255(/)' @(' 37)' ? : 5/ ' G : 5/(%)' 73' 7//74> 0' N
7HH( )' /02' 7//74>' 7 : 929' /1' 8)' D 750(3 ; /13 ' 31/' 13)'
H.1Q29' /1' 82' 73' 2 ? (323/)' 5 : 44255% : ' 132 ' 8 : / ' %1.' 7' /(? 2 ' (/'
4073 ; 29' /02' /(92' 1%' 7%%7(.5 ' (.' D (07 ?' 1@2 ' 13' @(/09.7@J
(3 ;' 0(5' 7. ?)' (3/1' @(3/2.R I : 7./2.5 ' 079' 2M/23929' 0(5' 473/13J
? 23/5' /1' 51' (? H. : 923/' 7' 23 ; /0 ' 75' /1' 7%%1.9' 7' %7Q1 : .78 2'
1HH1./ : 3(/)' /1' D 750(3 ; /13' 1%' 927 (3 ;' 7' 52.(1 : 5' 8 1@' 7/' /02'
.(/(50 ' N' 1@ 0' 57(9' /02' ? 2.(473' 232.7 ' N /07/' /02(.'
@(3 ; 5' 7.2' 51' 5H.279 ' (5' /02' /(? 2' /1' 4 (H' /02 ? 0' 441.9J
(3 ;) ' 13' /02' 3(; 0/' 1%' 0.(5/ ? 75' 7) ' (3' /02' %742' 1%' 7' Q(1 23/'
5/1. ?' 1%' 07(' 739' 531@ ' 739' 31/@(/05/739(3 ;' 7' ? 755' 1%' % 17/J
(3 ;' (42' 4 1 ; ; 29' /02' 2 7@7.2 ' 02' 5 : 4422929' (3' /.735H1./(3 ;'
/@1' /01 : 5739' %(Q2' 0 : 39(R29' ? 23' 74.155' /02' .(Q2.' /1' .23/13 '
@02.2' 02' 5 : .H.(529' 7' 819)' 1%' %(%/223' 0 : 39.29' 255(735 '
327.)' 7' /01 : 5739' 1%' @01 ?' 02' /11>' H.(5132.5 P' 1 1@(3 ;' (0$$'
: H' 0(5' 79Q73/7 ; 2 ' /02' ? 2.(473' ; 232.7 ' 7' %2@' 97)5' 7%/2.J
@7.95 ' 2M24 : /29' 7' @2 R41342(Q29' 739' 5 : 44255% : ' 7//74>' 13' 73 ' L'
7' .(/(50' 8.(; 792' 7/' - .(342/13 ' N' D 2' %1 : 39' - .(342/13 0' 02

' F' D 750(3 ; /13=5' D .(/(3 ; 5 ' 8)' H7. 45 ' Q1 ' (Q ' H ' +S!
]' N 3' G : 5/(42' /1' /02' 1%%(42.5' 739' ? 23 0' @.(/25' D 750(3 ; /13' /1' /02' - .25(923/' 1%'
13 ; .255 ' N' ' ? : 5/' 799' /07/' /02(.' 8207Q(1 : .' 13' /0(5' 14475(13' .2% 24/5' /02' 0(; 025/'
0131 : .' : H13' /02 ? ' 02' 9(%%(4 : /)' 1%' H755(3 ;' /02' .(Q2.' (3' 7' Q2.)' 52Q2.2' 3(; 0/ ' 739'
/02(.' ? 7.40' /0.1 : ; 0' 7' Q(1 23/' 5/1. ?' 1%' 531@' 739' 07(' 9(9' 31/' (3' /02' 275/' 787/2' /02(.'
7.91 : .X 8 : /' @023' /02)' 47 ? 2' /1' /02' 407. ; 2 ' 2720' 522 ? 29' /1' Q(2' @(/0' /02' 1/02.' (3'
H.255(3 ;' %1.@7.9' X 739 ' @2.2' ' /1' ; (Q2' 7' H.2%2.2342' /1' 73)' H7./(4 : 7.' 41.H5 ' ' 501 : 9'
91' ; .27/' (3G : 5/(42' /1' /02' 1/02.5 ' 1 132 ' 7) 1. ' ?)' %(.5/' 7(92R92R47 ? H ' @(' 07Q2'
/02' 0131 : .' 1%' 92 (Q2.(3 ;' /0(5' /1') 1 : X 739' %.1 ?' 0(?') 1 : ' ? 7)' 82' ? 79P' 74 I : 7(3/29'
@(/0' ? 73)' 1/02.' H7./(4 : 7.5 ' (5' 5H(./29' 8207Q(1 : .' : H13' 2Q2.)' 14475(13' .2 I : (.25'
(32' /1' .241 ? ? 239' 0(?' /1') 1 : .' H7./(4 : 7.' 31/(42 0' 3' 41352 I : 2342' 1%' D 750(3 ; /13=5'
.241 ? ? 2397/(13 ' 1 132 ' 7) 1. <@01' 47. .(29' @(/0' 0(? ' (3' 799(/(13' /1' /02' 925H7/40'
1%' @0(40' /0(5' (5' 73' 2M/.74/' 7' 2 55(73' 5/7397.9 ' @0(40' 02' 92 (Q2.29' /1' 13 ; .255 <'
@75' H.2523/29' 8)' /07/' 552 ? 8)' @(/0' 7' 01.52' H.1H2.)' 47H7.(51329' %1.' ? ((/7.)'
52.Q(42 ' 739' .241 ? ? 23929' %1.' H.1 ? 1/(13' /1' /02' 41 ? ? 739' 1%' 7' 2 ; (? 23/' 1%' 47Q7 .)R'
- @ ' - ' 5,'+ * ' Q1 ' (Q ' H ' +S"

ŒD@.(/25' /1R' /02' -.25(923/' 1%' 13;.255' N@(/0' 13)' /0.22'
.2;(?23/5' 739' /0.22' /.11H5' 1%' (;0/' 01.52' (3' (/' /@1' 1%'
B@0(40' @2.2' 13' /02(.' ?7.40' /1' .23/13' 0252' /0.22'
B.2;(?23/5' 25H24(7)' /02' /@1' %(.5/' ?792' 7' ;7 73/' .25(5/J
7342' 739' (3' >(29' @1:3929' 739' H.(5132.5' ?:5/' 07Q2' 15/'
%(Q2' 0:39.29' ?23' H@7.95' 1%' 7' 0:39.29' 1%' /02?' @2.2'
2%/' 9279' 13' /02' %(2 9 0 F' 3' /02' 5(92' 1%' /02' ?2.(4735'
@75' ?1./7)' @1:3929' 7' ;7 73/' 1%%(42.' 232.7' :;0'
B 2.42.' 7' 37/(Q2' 1%' 41/ 739' @01' (3' 0(5')1:/0' 079' 52.Q29'
K75' 7' 5:.;213=5' ?7/2' 7/' /02' 7// 2' 1%' :1923' 739' @01'
079' 7%/2.@7.95' 8223' /02' 41?H73(13' (3' 7.?5' 1%' D750(3;/13'
(3' /02' @7.' @(/0' /02' .2340' (3' ?2.(47' 0.1:;01:/' /02'
^74/(13' 7/' -.(342/13' RD750(3;/13' (5' 9254.(829' 75' 2MH15(3;'
0(5' H2.513' (3' /02' 01//25/' 1%' /02' %(;0/' a739' 75' 91(3;' 0(5'
:/?15/' /1' 73(?7/2' 0(5' /.11H5' 8)' 0(5' 2341:.7;(3;' @1.95' 739'
%27. 255' 2M7?H 2 %

02' 5:44255' 18/7(329' 8)' D750(3;/13' 7/' -.(342/13' 02'
%1 1@29' :H' 8)' 7' 52.(25' 1%' ?75/2.)' ?73 :Q.25' @0(40'
8.1:;0/' /02' 47?H7(;3' /1' 7' 4 152' 2@' 2.52)' @75' 92R'
0Q2.29' %.1?' /02' 5@7)' 1%' .27/' .(/7(3' 02' 13;.255'
K@75' 7;7(3' 2378 29' /1' 01 9' (/5' 5(//(3;5' 7/' -0(792 H0(7

02' %(.5/' 2Q23/' 1%' (?GH1./7342' 8)' @0(40' /02' 5:44229(3;'
47?H7(;3' @75' 9(5/(3;:(5029' @75' /02' .2?1Q7' 8)' 527' 1%' /02'
.(/(50' 7.?)' %.1?' /02' 2.52)5' (.' D((7?' 1@2' 27Q(3;'
820(39' 0(?' 7/' 2@' 1.>' 2(;0/' /01:5739' ?23' :392.' /02' 41?J
?739' 1%' 232.7' (3/13' 57(29' 13' /02' +L.9' 1%' :32' @(/0'
0(5' 7.?)' %.1?' /7/23' 5 739' 739' 13' /02' +S/0' 1%' :;:5/' 7%/2.'
' /29(1:5' Q1)7;2' 73929' /02?' 13' /02' 873>5' 1%' /02' 0257J
H27>2' D750(3;/13' .(;0/)' 413G24/:.(3;' /07/' /02' 18G24/' 1%'
/02' MB(/G;0' 232.7' @75' /02' 47H/:.2' 1%' -0(792 H0(7' (??2J
9(7/2)' %1 1@29' 0(?' /1' /02' 873>5' 1%' /02' .739)@(32' @02.2'
13' /02' !!/0' 1%' 2H/2?82.' @75' %1:;0/' /02' (?H1./73/' 87// 2'
/1' @0(40' /07/' .(Q2.' 075' ;(Q23' (/5' 37?2' 02' ?2.(4735

F' D750(3;/13=5' D.(/(3;5' 8)' H7.>5' Q1 ' (Q' H' +V,'
(F' H7.>5=5' (%2' 1%' D750(3;/13' Q1 ' (' H' +L+

@2.2' 5(;37)' 92%27/29' 441.9(3;' /1' (.' KD((7?' 1@2=5' 41?H:/7/(13' 781:/' 3(32' 0:39.29' 1%' /02?' @2.2' >(29' 739' @1:3929' 739' 781:/' %1:.' 0:39.29' /7>23' H.(5132.5' 02' .2?7(392.' H:.5:29' 8)' 1.9' 1.3@7 (5' ?792' /02' 825/' 1%' /02(.' @7)' /1' -0(792 H0(7' %(F1?' @ ((40' 4(/)' /02' 13;.255' 7/' /02' 7HH.1740' 1%' /02' .(/(50' %1.425' % 29' (3' /02' %(.5/' (35/7342' /1' 73475/2.' 739' 5:852I:23/)' /1' 1.>' 1@3' 3' /02' +#/0' 1%' 2H/2?82.' 1.3@7 (5' 23/2.29' -0(792 H0(7' (3' /.(:?H0'X /02' 8739' 1%' /02' 79Q73429' ;:7.9' 75' /02)' ?7.4029' /0.1:;0' /02' 5/.22/5' H 7)(3;' N 19' 57Q2' /02' (3;O

3' /02' ?273' /(?2' D750(3;/13' 92%27/29' /01:;0' 31/' 9(5027./2329' 413/(3:29' /1' 01Q2.' (3' /02' 32(;081:.0119' 1%' /02' .(/(50' 7.?)' /02' 0279' I:7./2.5' 1%' @0(40' @2.2' 31@' 5/7J /(1329' 7/' 2.?73' 1@3' 781:/' 5(M' ?(25' %(=1?' -0(792 H0(7' 11' @27>' 7/' /0(5' /(?2' /1' 41H2' (3' /02' 1H23' %(2 9' @(/0' /02' 9(54(H (329' %1.425' 1%' 0(5' 79Q2.57.)' (/' @75' 13)' 8)' 5:44255%:' 5/.7/7;2?' 739' 8)' .7H(9' 739' 97.(3;' 7//74>5' /07/' 02' 41:9' 01H2' /1' .241Q2.' /02' ;.1:39' 02' 079' 15/' 1' H.24(H(/7/2' 0(5' %1.425' /02.2%1.2' 5:9923)' (3/1' /02' /0(4>' 1%' /02' .(/(50' 7.?)< /1' 9.(Q2' /02' 232?)' (%' H155(8 2' 1:/' 1%' -0(792 H0(7' 3 39' /0:5' .2Q1:/(13(62' /02' H.2523/' ;11?)' 4139(/(13' 1%' ?2.(473' 7%%7(.5< P8247?2' /02' 07 %R925H2.7/2' .251 Q2' 1%' /02' (391?(/78 2' H7/.(1/' 441.9(3;)' 13' /02' 3(;0/' 1%' /02' L.9' 1%' 4/182.' 02' 29' 0(5' /.11H5B5/27 /0()' /1' 2.?73' 1@3' (3' 5(;0/' 1%' @0(40' H 742' 02' %1:39' 0(?52 %' (3' 7' %1;;)' 97)8.27>' 13' /02' %1 1@(3;' ?1.3(3;' 02' 79Q73429' .(/(50' 1.H5' :H13' @0(40' (/' @75' /02' 407342' 1%' (02' 7//74>(3;' H7./)' /1' %7 ' 739' :H13' @0152' 5/279(3255' 1.' :35/279(3255' 92H23929' /02' %1./:32' 1%' /02' 97)' @75' /02' %1./(2/0' 2;(?23/' 1%' 11/' 3 :4>()' %1.' /02' 5:44255' 1%' /02' 2MH29(/(13' /02' .2;(?23/' 07HH2329' /1' 82' 132' 1%' /02' ?15/' 0(;0)' 9(54(H (329' 739' ?15/' 92Q1/29' /1' (/5' 41 1:.5' 1%' 73)' (3' /02' .(/(50' 2.Q(42' 0:5' /01:;0' 5:.J H.(529' 739' /01:;0' %1.429' 874>' %1.' /02' ?1?23/' 8)' (..2J 5(5/(8 2' 3:?82.5' (/' 5113' .241Q2.29' (/52 %' 739' 1%%2.29' 7' %1.?(978 2' %.13/' /1' /02' %12' ' D(/0' ;.27/' H.1?H/(/:92' 739

411 3255‘ (/5‘ ;7 73/‘ 41?7392.‘ (2:/2373/R 1132‘ :5R‘ ;.7Q2 F‘ % :3;‘ 0(?52%‘ @(/0‘ 5(M‘ 41?H73(25‘ (3/1‘ 7‘ 5/132R8:(/‘ 01:52‘ (3‘ /02‘ Q(7;2‘ %.1?‘ /02‘ @(391@5‘ 1%‘ @0(40‘ /02)‘ 9(9‘ ;.27/‘ 2M24:/(13‘ 7?13;‘ /02‘ ?2.(4735‘ 739‘ (3‘ @0(40‘ (3‘ 92%(7342‘ 1%‘%1:.‘ H(2425‘ 1%‘473313‘@0(40‘@2.2‘8.1:;0/‘ /1‘827.‘ :H13‘ /02?‘ /02)‘ 92%23929‘ /02?52 Q25‘ /(‘ /02‘ .(/(50‘%1.42‘ 079‘ /(?2‘ /1‘%1.?‘ D0(2‘ /02‘ 413%(4/‘ @75‘ /0:5‘ H.2Q7(J (3;‘ /02‘ 9235(/)‘ 1%‘ /02‘ 7/?15H02.2< 14475(1329‘ 8)‘ /02‘ 5?1>2‘ 1%‘ ;:3H1@92.‘ 8239(3;‘ @(/0‘ /02‘%1;< 29‘ /1‘ /02‘ ?2.(4735‘ ?(5/7>(3;‘ /02(.‘ 1@3‘.2;(?23/5‘%1.‘/0152‘ 1%‘ /02‘ .(/(50‘ 739‘ %(.(3;‘ (3/1‘ /02?‘ @(/0‘ %7/7‘ H.24(5(13‘ 02‘ .25:/‘@75‘ 7‘H73(4‘ @0(40‘ 31‘ 23/.27/(25‘ 31.‘/0.27/5‘ 13‘/02‘ H7./‘1%‘ /02(.‘ 1%%(42.5‘ 41:9‘ 413/.1 X /02‘ @01 2‘ %1.42‘ /7>(3;‘ /1‘ %(;0/‘ 27 :3;‘ 820(39‘ /02?‘ 75‘ ?73)‘ 75‘ %1:./223‘ 0:39.29‘ 1%‘ /02(.‘ 41?H73(135‘>(29‘ @1:3929 B1.‘ H.(5132.5‘ N‘ /‘@75‘7‘8 119)‘97)‘ 0‘@.1/2‘ D750(3;/13‘/1‘0(5‘8.1/02.‘ N‘ D1:9‘/1‘ 27Q23‘ ‘41:9‘799‘/07/‘(/‘079‘8223‘7‘?1.2‘ %1./:37/2‘132‘%1.‘:5‘ T 0‘%

2/‘ 2/‘ (/‘31/82‘(?7;(329‘/07/‘75‘7‘41352I:2342‘1%‘/02‘ 744:?:7/29‘9(R5:4425525‘@0(40‘079‘82%7 23‘ D750(3;/13‘ 13‘/02‘%(2 9‘02‘079‘(3‘73)‘92;.22‘%1.%2(/29‘/02‘413%(92342‘ 739‘79?(.7/(13‘1%‘0(5‘%2 1@R41:3/.)?23‘ 3‘/02‘413/.7.)‘ /02‘.:92‘H27573/.)‘@01?‘02‘079‘413Q2./29‘(3/1‘9(54(H(329‘ 51 9(2.5‘ 739‘ @01?‘ 02‘ 079‘ /7:;0/‘ /1‘ 413%.13/‘ @(/01:/

F‘ (2:/2373/‘ 1132‘7%/2.@7.95‘ 232.7‘ (.‘ 01?75‘ :5;.7Q2‘ 7./‘41??23429‘ 0(5‘?((/7.)‘47.22.‘75‘73‘235(;3‘(3‘/02‘ 0(.9‘ 11/‘1.‘ :%%5X 0(5‘%(.5/‘41??(55(13‘ 827.(3;‘97/2‘ 242?82.‘L!‘ !$#S‘ N (2:/2373/‘ 1132‘ :5;.7Q2‘25H24(7)‘9(5J /(3;:(5029‘0(?52%‘7/‘/02‘ 7//2‘1%‘ 2.?73/1@3‘13‘/02‘S/0‘1%‘ 4/182.‘!$$$‘8)‘ /0.1@(3;‘0(?52%‘@(/0‘5(M‘41?H73(25‘1%‘/02‘S*/0‘ 2;(?23/‘(3/1‘7‘ 7.;2‘5/132‘01:52‘(3‘ /02‘%742‘1%‘/02‘232?)‘739‘7/01:;0‘5:..1:3929‘8)‘7‘ .(;792‘5:HH1./29‘8)‘%1:.‘ H(2425‘1%‘7./(2.)‘?792‘7‘?15/‘;7 73/‘739‘5:44255%:‘92%2342‘:3/(‘ 7G1.‘232.7‘ .2)‘739‘8.(;79(2.‘ ;32@‘079‘8)‘7‘Q(;1.1:5‘7//74>‘.2H:529‘/02‘ ?2.(473‘/.11H5‘ /07/‘079‘H232/.7/29‘(3/1‘/02‘:HH2.‘H7./‘1%‘ /02‘Q(7;2‘ ‘?297‘41??2?1.7/(Q2‘ 1%‘ /02‘ ;7 73/.)‘1%‘ 1132‘ :5;.7Q2‘739‘1%‘ /02‘S*/0‘ 2;(?23/‘13‘/0(5‘14475(13‘ @75‘5:852I:23/)‘7@7.929‘/1‘/02‘1%%(42.5‘739‘?23 0‘ .1?‘)‘ $ 4 # 0(5‘ ;7 73/‘1%%(42.‘N 7%/2.‘7‘ 23;/02329‘739‘0131:.78 2‘47.22.‘1%‘:52%:3255‘/1‘0(5‘ (3;‘ 739‘41:3/.)0 9(29‘01 9(3;‘/02‘.73>‘1%‘ 232.7‘ 242?82.‘L!‘ !"!+‘82(3;‘/02‘ ;7?2‘97)‘1%‘/02‘57?2‘?13/0‘13‘@0(40‘0(5‘%(.5/‘41??(55(13‘@75‘97/29 ‘]‘ D750(3;/13=5‘ D./(/(3;5‘Q1‘Q‘H‘ !*L

25H139234)' /02' 13;R9.27929' 2;(135' 1%' .27f' .(/7(3' 413/(3:29' /1' %1 1@' 0(?' 1Q(3;)' /.:5/(3;)' 739' :341?J H 7(3(3;)' N' 1:.'/.11H5 0' 1342' 1852.Q29' /02' 1:3f' 92' 2.;23325' /1' /02' ?2.(473' 1??(55(132.5' 7f'-7((5' N' 07Q2' 8207Q29' @2' 13' 52Q2.7' 14475(135X' 8:f'31/0(3;' 075' 5/.:4>' ?2' 51' ?:40' 75' /07f' 232.7' D750(3;/13' 501:9' 07Q2' 7/J /74>29' 739' ;(Q23' 87//2' /1' 232.7' 1@2' 1' 8.(3;' 73' 7.?)' .7(529' @(/0(3' 7')27.' /1' /0(5' H.1?(525' 2Q2.)/0(3;0' 7/2.'(3' /02' 8(//2.'@(3/2.'1%' /0(5')27.' 7/01:;0' 0:39.295' 1%' D750(3;/13=5' 51 9(2.5' @2.2' @(/01:f' 8 73>2/5' 739' 7/01:;0' %1.' ?(25' /02(.' ?7.40' ?(;0f' 82' /.74>29' 8)' /02' 8 119' 2%f' 8)' /02(.'37>29' %22f' 13' /02' 531@')2f' 31f' 7' Q1(42' @75' 027.9' /1' ??B?:.'7f' /02(.'(91 (529' 2792.

D750(3;/13' 7%/2.' 0(5' (R5:44255' 7f' 2.?73' 1@3' @(/09.2@' 0(5' 7.?)' /1' D0(/2' 7.50' 7' 5/.13;' H15(/(13' 781:f' %1:./223' ?(25' %.1?'-0(792 H0(7' %.1?' @02342' (.' D((7?' 1@2' ?792' ?73)' 8:f'7 @7)5' (32%%24/:7' 7//2.3H/5' /1' 9.7@' 0(?' (3/1' /02' 1H23' 41:3/.)' 02' .(/(50' 232.7' 7441.9(3;)' %(39(3;' /02' 527513' %7.' 79Q73429' H.1422929' /1' /7>2' :H' 0(5' 41?%1./78 2' @(3/2.RI:7./2.5' (3' -0(792 H0(7X' @0(2' D750(3;/13' @(/09(B2@' 0(5' 7.?)' /1' 7 2)' 1.;2' (3' /02' 0(5' 7' 5/(' 5/.13;2.'H15(/(13' /073' D0(/2' 7.50' @02.2' /02' 5(/2' 1%' 0(5' 0279RI:7./2.5' 9:.(3;' /02' @(3/2.' 1%' !$$$' (5' 5/(' H1(3/29' 1:f' 75' 73' 18G24f' 1%' NH(1:5' (3/2.25f' 8)' 0(5' 79?(.(3;' %2 1@R41:3/.)?23 R%

F' H7.>5=5' (%2' 1%' D750(3;/13' Q1' (' HH' +V, <#*

]' N /' ?:5/' 82' 413%25529 0' @.(/25' /02' 3; (50' 0(5/1.(73' 1%' /02' ?2.(473' D7.' N' /07f' 13' /02' @01 2' /02' .(/(50' 7.?5' :392.' (.' D((7?' 1@2' @2.2' 7//23929' @(/0' P744255' X' 8:f' /0(5' 5:44255' @75' 32Q2.' 9:)' %1 1@29' :H' 739' (?H.1Q29' 07f' 1?J ?7392.' 079' 52Q2.7' 1HH1./:3(/(25' 1%' 92%27/(3;' /02' ?2.(473' 7.?)' 739' /02.28)' H://(3;' 73' H39' /1' /02' @7.' f' 13;' 5 739' (3' /02' 2.52)5' 7f' .739)@(32' 7f' D0(/2' 7.50' 739' 7f' 7 2)' 1.;2' %1./:32' 079' H 7429' /02' 232?)' @(/0(3' 0(5' ;.75H' 8:f' 02' 924 (329' /1' 52(62' /02' 1%%2.29' 79Q73/7;2' 132' 1%' 0(5' R?((/7.)' 2MH 1(/5' H15J 525529' 2(/02.' H 73' 18G24/' 1.' 924(5(13X' 739' /02' 13)' %.:(f' 92.(Q29' %.1?' /02' 52Q2.7' Q(4/1.(25' 1%' (.' D((7?' 1@2' 9:.(3;' /02' 47?H7(;3' 1%' !$$$' 7?1:3/29' /1' 31' ?1.9' /073' /02' 74I:(5(/(13' 1%' ;119' @(3/2.RI:7./2.5' %1.' /02' .(/(50' 7.?)' 7f' -0(792 H0(7 K' + 4 .' I ' ' '&4)' - ' Q1' (' H' "!$' /29?73' 0(?52 %' 52.Q29' (3' /02' .(/(50' .?)' (3' ?2.(47' :392.' (.' D((7?' 1@2' (.' 23.)' (3/13' 739' 1.9' 1.3@7 (5

7HH( )‘ %1.‘ / (2‘ 47 : 5W‘ 1%‘ (82./) ≟ 739‘ %1.‘ /02‘ (3/2.25/5‘ 1%‘ /02‘ H21H 2‘ 1%‘ /02‘ 3(/29‘ /7/25‘ %1./ : 32‘ H.1Q29‘ ?1.2‘ %7Q1 : .78 2‘ /1‘ /02(.‘ 7. ?5‘ (3‘ 731/02. ‘ 739‘ ?1.2‘ (?H1./73/‘ H7./‘ 1%‘ /02‘ Q75/‘ 413/(323/‘ 02‘ (3Q75(13‘ 1%‘ ?2.(47‘ %.1?‘ /02‘ 5(92‘ 1%‘ 73797‘ 739‘ /0 : 5‘ 2%%24/(3;‘ 7‘ 41 ? ? : 3(47/(13‘ @(/0‘ /02‘ 7. ?)‘ : 392.‘ (.‘ D((7?‘ 1@2‘ 079‘ %1.‘ 51 ? 2‘ /(?2‘ H75/‘ 8223‘ 7‘ %7Q1 : .(/2‘ H.1G24/‘ 1%‘ /02‘ D7.‘ 2H7./?23/‘ (3‘ 3; 739‘ 739‘ @75‘ 132‘ @0(40‘ 7%/2.‘ 9 : 2‘ 4135(92.7/(13‘ @75‘ 7HH.1Q29‘ 8)‘ /02‘ 78(32/‘ 02‘ 41 ? ? 739‘ 1%‘ /0(5‘ (?H1./73/‘ 2MH29(/(13‘ @75‘ 413%2..29‘ 13‘ 232.7‘ 103‘ : .R‘ ; 1)32‘ 7‘ 37/ : .7‘ 513‘ 1%‘ 1.9‘ (3; 2) F‘ (/02./1‘ : .; 1)32‘ 079‘ 8223‘ H.(34(H7)‘ >31@3‘ /1‘ 0(5‘ 41 : 3/.)?23‘ 75‘ 7‘ ?73‘ 1%‘ @(/‘ (/2.7/ : .2‘ 739‘ H 275 : .2‘ (5‘ %(; : .2‘ @75‘ 41 ? ? 739J (3;‘ X 0(5‘ ?7332.5‘ @2.2‘ 2?(323/)‘ 23; 7; (3;‘ X 0(5‘ .2H : /7/(13‘ %1.‘ 41 : .7; 2‘ 079‘ 32Q2.‘ 8223‘ 47 29‘ (3‘ I : 25/(13‘ 2‘ 079‘ 23/2.29‘ /02‘ 7.?)‘ 7/‘ 73‘ 27.)‘ 7; 2‘ 739‘ @0(2‘ I : 7./2.29‘ 7/‘ - .25/13‘ (3‘ 734750(.2‘ 079‘ 25/78 (5029‘ 7‘ H1@2.%: ‘ 7.(5/1J 4.7/(4‘ 41332M(13‘ %1.‘ 0(?52 %‘ 8)‘ @(33(3;‘ /02‘ 7%%24/(135‘ 1%‘ 79)‘ 07. 1//2‘ /73 2)‘ 97 : ; 0/2.‘ 1%‘ 9@7.9‘ 2 2Q23/0‘ 7.‘ 1%‘ 2.8)‘ @01?‘ 02‘ H2.5 : 7929‘ /1‘ 2 1H2‘ @(/0‘ 0(?‘ 739‘ /1‘ 8241?2‘ RO(5‘ @(%2‘ 3‘ !$#+‘ : .; 1)32‘ 079‘ 52.Q29‘ @(/0‘ 51?2‘ .2H : /7/(13‘ 75‘ 7‘ 8.(; 79(2.RB; 232.7‘ (3‘ /02‘ @7.‘ (3‘ -1./ : ; 7‘ 739‘ 13‘ 0(5‘ .2/ : .3‘ 079‘ 18/7(329‘ 7‘ 527/‘ (3‘ /02‘ 1 : 52‘ 1%‘ 1?? 135 %‘ 5‘ 7‘ 5H27>2.‘ (3‘ -7. (7?23/‘ 02‘ .15W‘ /1‘ 51?2‘ 2?(32342‘ 8 : /‘ 8)‘ 0(5‘ (/2.7.)‘ H.19 : 4/(135‘ 7 132‘ 02‘ 9252.Q25‘ /1‘ 82‘ .2?2?82.29‘ 8)‘ H15/2.(/)‘ (5‘ 41?(4‘ 1H2.7‘ N‘ 02‘ 1.9‘ 1%‘ /02‘ 731.0‘ @75‘ 13;‘ 7‘ %7Q1 : .(/2‘ 13‘ /02‘ 5/7; 2‘ (5‘ 41?29)‘ N 02‘ 2(.255 0‘ (5‘ 132‘ 1%‘ /02‘ ?15/‘ H 275(3;‘ (3‘ 1 : .‘ 73; : 7; 2‘ 2‘ @75F‘ 7 51‘ 7‘ 413/.(8 : /1.‘ /1

F‘ 182./‘ 23513‘ 4.27/29‘ 7.13‘ 1%‘ (3; 2)‘ (3‘ /02‘ 41 : 3/)‘ 1%‘ 1.>‘ !$!L‘ 9(29‘ :)‘ +!‘ !$L*‘ @023‘ /02‘ /(/ 2‘ 8247?2‘ 2M/(34/

]‘ : 3(: 5‘ 522?5‘ /1‘ 07Q2‘ 23/2./7(329‘ 31‘ Q2.)‘ 0(; 0‘ 1H(13‘ 1%‘ : .; 1)32‘ 75‘ 7‘ 51 9(2.‘ N 2/‘ ?2‘ 75>‘)1 : .‘ .742 0‘ 02‘ @.(/25 /1‘ /02‘ : >2‘ 1%‘ .1%/ 3‘ 13‘ /02‘ !+/0‘ 1%‘ 242?82.‘ !$#, ‘ N %1.‘ @07/‘ ?((/7.)‘ ?2.(/5)1 :‘ 07Q2‘ 8223‘ H 27529‘ /1‘ .2@7.9‘ 0(?‘ @(/0‘ ?((/7.)‘ ; 1Q2.3?23/¢0‘ (342‘ /02‘ 97/2‘ 1%‘ /0(5‘ 2//2.‘ : .; 1)32‘ 079‘ 52.Q29‘ 51?2‘ /(?2‘ (3‘ ?2.(47‘ : 392.‘ 232.7‘ 7; 2‘ 8 : /‘ @(/01 : /‘ 07Q(3;‘ 8223‘ 7%%1.929‘ ? : 40‘ 1HH1.a‘ / : 3(/)‘ 1%‘ (?H.1Q(3;‘ 0(5‘ ?((/7.)‘ 2MH2.(2342‘

N' 02' 1 (79%O' 31.' 07Q2' 51?2' 1%' 0(5' (; G/2.' H12/(47 ' H(2425' @73/29' 79?(.2.5 ₣ /' /02' %750(1378 2' H 7)R/78 25₣ 1%' /02' 97) ' @02/02.' 1%' 0767.9' 1.' 5>(' : . ; 1)32' @75' 7' 5 : 4J 4255% : ' 739' /02.2%1.2' 7' %1. ?(978 2' 73/7 ; 13(5/ ' : 3(: 5' ?1.2' /073' 0(3/5' /07/' 02' H 7)29' : 3%7(.) ' N %' 73)' ?73 O' 02' (.13(47)' @(=(/25 ' N' @2.2' /1' 744 : 52' 0(?' 1%' /7>(3 ;' 0(5' 5/739' d(/ 7' ; 7?(3 ; R/78 2 ' 739' @7/40(3 ; ' @(/0' /02' 5182.25/' 7//23/(13 ' %1.' 7' %7(.' 1HH1./ : 3(/)' 1%' 23 ; 7 ; (3 ;' 7' 9. : 3>23')1 : 3 ;' 318 2J ?73' 7/' H(I : 2/ ' 02' @1 : 9' : 391 : 8/29)' 4135(92.' (/' 75' 73' (3J %7?1 : 5' 75H2.5(13' : H13' 0(5' 407.74/2. ' 739' .2523/' (/' (>2' 7' ?73' 1%' 0131 : . O' /' (5' 8 : /' %7(. ' 01@2Q2. ' /1' 1852.Q2' /07/' 232.7 ' : . ; 1)32=5' 74I : 7(3/73425' 522?' /1' 07Q2' 41?J H 2/2)' 74I : (//29' 0(?' 1%' /0(5' 4. : 2 ' 7313) ?1 : 5' 407. ; 2 ' N : 3(: 5 O' @.(/25' 1.742' D 7 H1 2 ' N @75' /01 : ; 0/' : 3G : 5/X' 75' 02' s : . ; 1)32' @75' 32Q2.' 5 : HH1529' /1' 91' ?1.2' /073' H 7)' Q2.)' @2 O' %

02' 7. ?)' (3' 73797 ' 41? ?73929' 8)' : . ; 1)32 ' 4135(5/29' 1%' : H@7.95' 1%' 52Q23' /01 : 5739' ?23 ' .(/(50' 739' 2. ?73 ' 2M4 : 5(Q2' 1%' 7' H1@2. ' /.7(3' 1%' 7./(2.)' /' %(.5/' /02' ?7.40' 1%' /02' ?73' 1%' %750(13' .252?8 29' 7' /.(: ?HO ' 5' 02' 79Q73429 ' /02' ?2.(4735 < P 27Q(3 ;' /02(.' H.1Q(5(135 ' 7./(2.) ' 739' ?((/7.)' 5/1.25' 820(39' /02? < PH.24(H(/7/2)' 2Q74 : 7/29' (41392.1 ; 7 ' %.1?' @0(40' H15/' : . ; 1)32' 9.1Q2' /02?' 82%1.2' 0(?' /1' 1./' 9@7.9 ' 13' /02' 873>5' 1%' /02' : 9513 ' @0(40

E₣ 02' %1 1@(3 ;' H 275(3 ;' 5/73675 ' %.1?' /02' N 1.9' 1%' /02' 731. O' ?7)82' /7>23' 75' 7' %7Q1 : .78 2' 5H24(?23' 1%' 232.7 ' : . ; 1)32=5' ? : 52 <

341?H75529' (3' 73' 73 ; 2 =5' %.7?2
3' 73 ; 2 =5' Q(./ : 25' 7)' X
11' 5113' 9(9' 27Q23' 7552./' /02' 4 7(?
39' 47 ' (/5' 1@3' 7@7)

)' 337=5' @1./0 'K?)' 337=5' 407. ?5 ' R
: 5/' 32Q2.' ?1.2' .2/ : .3'
D 07/' 31@' 507 ' %(' /0252' @(91@29' 7. ?5' c
0' ?2 ! ?)' 337=5 : .3

] ' D 7 H1 2=5' 2//2.5 ' Q1 ' Q :' H ' S,S ' 9 ' ! "V$ ' 227 51' D .7M7 =5 (5/ ' 2?1(.5' Q1 ' (:' H ' + , LX' L.9' 9(/(13

(3 (>2 ?7332. /02) 787391329 7/ /02 7HH.1740 1% /0W .(/(50 7.?)X 8239(3; /02(. %(;0/ (3 /02 9(.24/(13 1% /02 ?2?1.78 2 H.(3;5 1% 7.7/1;7 / @75R 31@ @0(2 (3 H:.5:(/ 1% /02 232?) /07/ :.;1)32=5 9(%%(4:/(25 41?J ?23429 02 %742 1% /02 41:3/.) @75 (3/2.524/29 8) 5/.27?5 739 ?1.75525 (5 027Q) 7./(2.) @75 7 ;.27/ (34:?8.7342 /1 0(? 3/(.2 /.225 %2 29 8) /02 ?2.(4735 @2.2 7(9 @(/0 1/02. 185/.:4/(135 74.155 0(5 H7/0 (5 H.1Q(5(135 82;73 /1 %7(0(? 3 41352I:2342 1% 7 @73/ 1% 817/5 /1 47..) 0(5 7.?) 74.155 /02 :9513 31 %2@2. /073 %1./) 8.(9;25 079 /1 82 4135/.:4/29 1.21Q2. @0(2 /02 232?) @75 4135/73/) .242(Q(3; .2(3%1.42?23/5 1% ?23 7(>2 %.1? /02 32(;081:.(3; /1@35 739 %.1? /02 ?1:3/7(35 :.;1)32=5 .73>5 (3 41352I:23i2 1% :3H.1%(/78 2 5>(.?(5025 739 1/02. 475:7/(25 @2.2 01:.) 8241(0(3; /0(332. 739 :;+* N 02 H.15H24/ 1% /02 47?H7(;3 0 02 @(=(/25 N(5 (3:40 255 H.15H2.1:5 /073 @023 @.1/2 75/ D02.2Q2. /02 (3;=5 %1.425 H1(3/ ?((/(7 /1 /02 7?1:3/ 1% /0.22 1. %1:. /01:5739 7552?82 (3 /@23/)R%1:. 01:.5 02) 8.(3; @(/0 /02? /02(. 5:85(5/2342 739 /02 77.? 1Q2. /02) .2/:.3 /1 /02(. %7.?5 02B 7?H50(.2 .73/5 (3 H7./(4:7.<7 41:3/.) :3H21H29 739 7?15/ :3>31@3 9:.(3; /02 75/@7.<31@ 781:395 (3 /02 ?15/ 74/(Q2 739 ?15/ .282 (1:5 .742 1% /02 13/(323/ 739 073;5 (>2 7 ;7/02.(3; 5/1.? :H13 ?) 2%/ 3 7 H7./5 /02 (39:5/.) 739 ?737;2?23/ (3 9.(Q(3; 47// 2 739 .2?1Q(3; 41.3 7.2 (392%7/(;78 2 739 42./7(3 739 (/ 8241?25 (?H.74/(478 2 /1 ?1Q2 @(/01:/ H1./78 2 ?7;76(325 31/02. ?15/ 2?87.J .755(3; 4(.4:?5/7342 (5 /02 @73/ 1%41??:3(47/(13 @(/0 (. D((7? 1@2 %/02 ?25523;2.5 07Q2 523/ >31@ 1% /@1 82(3; 073;29 739 7?(;31.73/ @02/02. 73) 1% /02 .25/ 7..(Q29 0 F

/ @75 /02 ?(99 2 1% 2H/2?82. @023 :.;1)32 .2(3R

I : (50(3 ;' 0(5' 41 ? ? : 3(47/(135' @(/0' 73797 ' /.735H1./29' 0(5' 7. ?)' 74.155' /02' : 9513 ' 739' /11>' H15/' 13' /02' 02(;0/5' 1%' 7.7/1;7 ' 02' ? 2.(473' %1.42 ' : 392.' 232.7 ' 7/25 ' @75' 7/' /0(5' /(?2' 2347 ? H29' (3' 7' Q2.)' 79Q73/7;21 : 5' H15/' 13' Ê 2) ? : 5=5' 2(;0/5 ' 7' 1@' .73;2' 1%' 0(5' (3' %.13/' 1%' /(@7/2. ' @0(/02.' : .;1)32' 79Q73429' (3' 01H25' 1%' %1.4(3;' /02 ?' /1' ;(Q2' 0(?' 87// 2 ' 02' .(/(50' 7(F?)' @75' 8)' /0(5' /(?2' (3' 7' ? 15/' H2.(1 : 5' 75' @2 ' 75' @75/29' 4139(/(13 ' 1 : 9' 873) ' (39229 ' 82' .274029 < 739' 873)' @75' 13)' /@23/) R%(Q2' ? (25' 9(5/73/ < P31/ 13)' @1 : 9' /02' .(/(50' 7. ?)' 82' 57%2 ' 8 : /' /02' H.(?7.)' 18G24/' 1%' /02' 415/)' 2MH29(/(13' @1 : 9' 07Q2' 8223' 18/7(329 ' 07/' 925(.78 2' .25 : / ' 01@2Q2. ' @75' 923(29' /02 ? ' : .;1)32 ' (/' (5' /. : 2 ' 7%/2.' 7' @2 R413/25/29' 23;7;2J ? 23/' @0(40' 75/29' %1.' %1 : .' 01 : .5 ' 5 : 4422929' (3' 92%27/(3;' 2H/' ! ,' /02' ? 2.(4735 ' 8 : /' (?%1./(?7/2)' Q(4/1.) ' (35/279' 1%' (? J H.1Q(3;' 0(5' 4139(/(13 ' .2392.29' (/' 2Q23' ? 1.2' 4.(/(47 ' /073' (/' 079' H.2Q(1 : 5)' 8223 ' (5' 475 : 7 /(25' 7 ? 1 : 3/29' /1' 75' ? 73)' 75' 5(M' 0 : 39.29' ? 23 ' 15/' 1%' 0(5' 7./(2.)R ? 23' @2.2' >(29' 7/' /02(.' ; : 35 ' 32' .2;(?23/' 7 132 ' /02' #+39 ' 15/' ? 1.2' /073' /@1R/0(.95' 1%' (/5' 1%%(42.5 ' 2Q2./02 255 ' 5 : H2.(1.' 75' @75' /02' %1.42' @0(40' 413%.13/29' : .;1)32 ' @((3;)' @1 : 9' 02' 07Q2' 7//2 ? H/29' /1' 4 : /' 0(5' @7)' /1' 873) ' 8 : /' 0 : ? 73(/)' H.2Q23/29' 0(5' 7873913(3;' 0(5' @1 : 3929' /1' /02(.' %7/2 ' 3% : 23429' 8)' /0(5' 4135(92.7/(13 ' 75' @2 ' B75' 47 4 : J 7/(3;' 13' /02' H.1878((/)' 1%' (.' 23.)' (3/13' 5H229( )' ? 7>(3;' 7' 9(Q2.5(13' (3' 0(5' %7Q1 : . ' 02' .251 Q29' /1' 23/.2340' 0(5' /.11H5' : H13' /02' ;.1 : 39' @0(40' /02)' 7/' H.2523/' 144 : H(29 02' 8(//2.3255' 1%' 01H2' 92%2..29' @75' 31@' 79929' /1' 0(5' 1/02.' 9(5/.25525 ' 1 : .' 7%/2.' 01 : .' 739' 97)' 7%/2.' 97) ' 47 ? 2' 739' @23/ ' 739')2/' /02.2' 7HH27.29' 31' 5(;3' 1%' 7HH.1740(3;' 5 : 441 : . ' 27/0' 413/(3 : 29' /1' 5H.279' (/5' .7Q7;25' 7 ? 13;' 8(5' .73>5 ' (5' 01.525' H2.(5029' %.1 ?' 5/7.Q7/(13 ' ' (>2' %7/2' /0.27/2329' 0(5' %1 1@2.5 ' (;0/%7 ' 41 ? H 2/29' /02%.' ? (52.(25 02' @73/' 1%' 5 22H ' 14475(1329' 8)' %.2 I : 23/' 7 7. ? 5' %7 52' 1.' (27 < P/02' (3425573/' 51 : 39B5' 1%' /02' 232 ?)' %(.(3;' : H13' /02

.(/(50 79Q73429 H(I:2/5<739 75/) /02 9(5?7 01@ (3; 1% H74>5 1% @1 Q25 @0(2 2?H 1)29 (3 /02(. 144:H7/(13 1% 5423/(3; 739 54.7/40(3; :H /02 9279 H.19:429 7 5/7/2 1% 9(541?%1./ 739 ; 11?1% @0(40 (/ @1:9 02 9(%%(4:/ /1 H.2523/ 73 2M7;;2.7/29 H(4/:.2 91 31/ 82 (2Q2 O

4/'$' @.(/25 :.;1)32 N 2(/02.B 1%%(42. 1. 51 9(2. 2Q2. 5 2H/ 9:.(3; /07/ (3/2.Q7 @(/01:/ 0(5 4 1/025 O F E B

3 /02 ?273 /(?2X /02 13) 14475(13 13 @0(40 ?B;4()32 079 Q23/:.29 /1 5/.(>2 7 8 1@ %.1?0(5 23/.2340?23/5 079 H.1Q29 7 9(575/2. 92/7T40?23/ 1% 781:/ B%(%/223 0:39.29 ?23 @01?02 92H 1)29 (3 /02 Q7(3 01H2 1% 9(5 19;(3; /02 232?) %.1? /02(. 41??739(3; H15/(1H 739 1% /0:5 2M/.(47/(3; 0(? 739 0(5 7.?) %.1? /02(.B/1(5 @2.2 31/ 13) %1.429 874> /1 /02(. (325 8:/ 7 ;7 73/BB873 9R 1% ?2.(4735 29 8) /02 %7?1:5 2329(4/ .31 9=8.((73/)U %1.429 /02(. @7) (3/1 /02 .(/(50 @1.>5 02 .(/(50 I:7./2. (/ (5 /.:2 @75 02.1(47) 739 5:44255%:) 92%23929 8:/ :307HH( ) /02 2.?73 23/.2340?23/5 @2.2 47..(29 Q2.) 23927Q1:. @75 ?792 8) :.;1)32 /1 8.(3; 13 7 ;232.7 23;7;2?23/ 8:/ 75 /02 ;(=739 18G24/ 1% /02 ?2J .(4735 @75 2Q(923/) /1 41?H2 7 .(/(50 7.?) X1 5:..2392. 7/ 9(54.2/(13 (/ @75 73 (55:2 @0(40 /02) Q2.) 37/:.7) 924 (329 0:5 /023 @(/0 5/7.Q7/(13 5/7.(3;0(5 %1 1@2.5 (3 /02 %742 (3 /02 01:.) 9.279 1% 82(3; 5:..1:3929 8) 1Q2.H1@2.(3; 3:?82.5 739 @(/0^0(5 41??:3(47/(135 @(/0 73797 82(3; ;.79:7) 4:/ 1%% 31 7 /2.37/(Q2 @75 2%/ /1 0(? 8:/ 2(/02. :34139(/(137 5:..2392. 1. 2 52 7 75/ 925H2.7/2 2%%1./ /1 %(;0/ 0(5 @7) 874> /1 .(/(50 ?2.(47

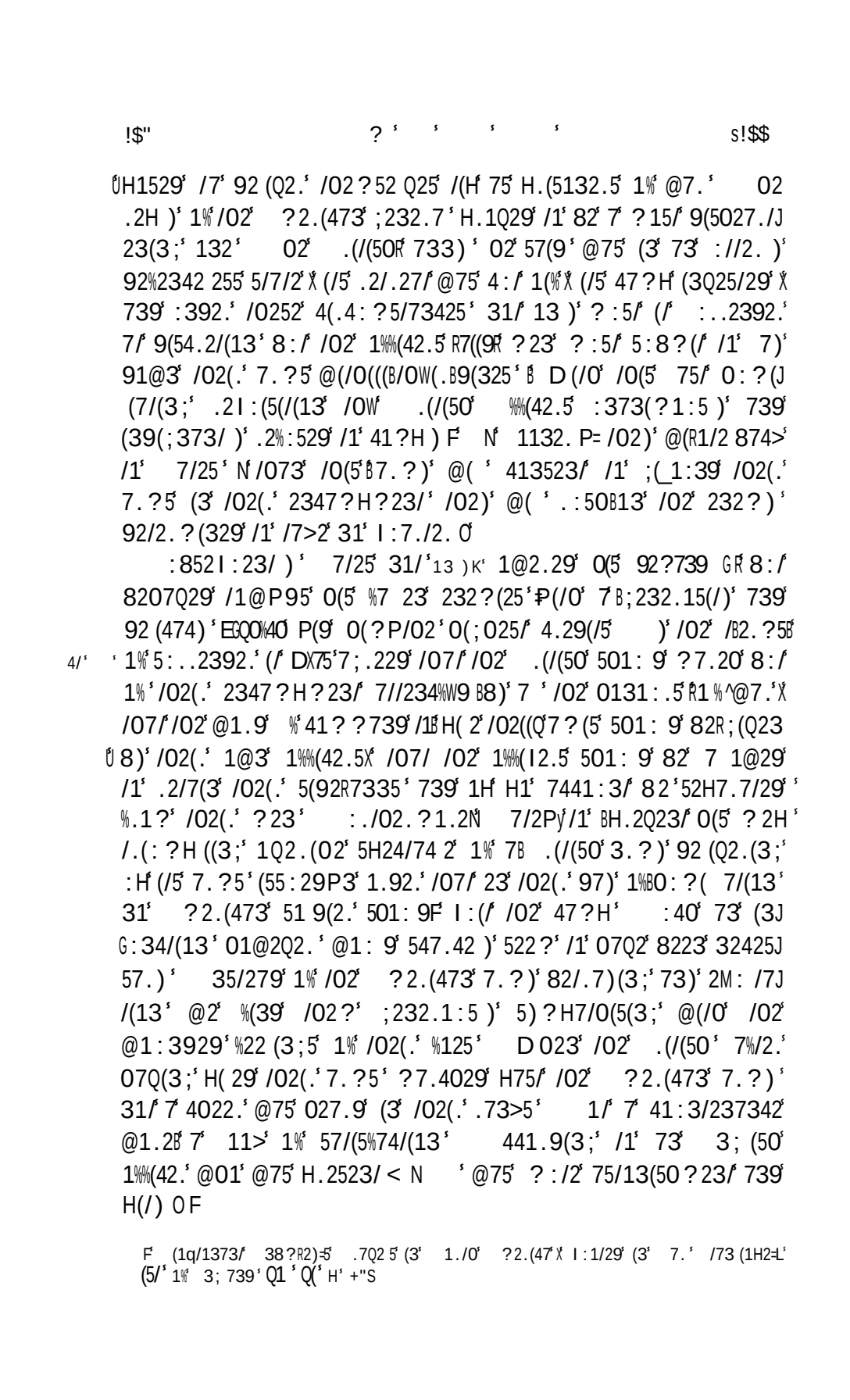
02 75/ 7 /2.37/(Q2 82%(//29 :.;1)32 /02 825/X 739 7441.9(3;) 07Q(3; 41 24/29 /02 .2?7(35 1% 0(5 9(5027./2329 7.?) 02 29 /02?% 1./0 13 7 9(5?7 .7(3) 3(;0/ 13 /02 %.2/:.3 /1 (41392.1;7 (52.78 2 75 @75 /07/ ?2?1.78 2

3 2Q(2@ 1% /02 Q(92342 n4 H !##X /29?73=5 (5/ 1% /02 ?2.(473 D7.F Q1(H LSS R F

.2/.27/ %7.B @1.52 @2.2 /02 47 7?(/(25 /07/ 7@7(/29 /02?
13 .2740(3;/02(. 925/(37/(13 N :40 @75 /02(. 5/7/2 1%
%7/(;:2 0 ?(/25 :.;1)32 N/07/ /02 ?23 %1./02 ?15/ H7./
079 31/ /02 5/(F20;/0 1(X (34 (37/(13 /1 4:/ @119 739 ?7>2
%(25 8:/ .7/02. 51:;0/ 5 22H (3 /02(. @2/ 4 1/025 :H13 /(2
@2/ ;.1:39 :392./02 413/(3:(3;.7(3 0F 3I:25/(1378)
/02 H2.513 ?15/ /1 82 41??(52.7/29 @75 :.;1)32 0(?J
52 % 1 0(5 4135/2.37/(13 02 %1:39 0(?52 %02??29 (3 13
2Q2.) 5(92 3 @07/2Q2. 9(.24/(13 02 11>29 0(5 2)2 23J
41:3/2.29 /02 8.(5/(3;1%/02 232?)=5 87)132/5 739 /02(.
473313 H1(3/29 /1@7.95 0(5 47?H 1 /(9(3;5 .274029 0(?
0B1? (. 23.) (3/13 (5 /23/5 739 87;;7;2 079 8223
2(/02. 47H/:.29 -. 925/.1)29 (5 H.1Q(5(135 @2.2 7?15/
2M0735/29 3 0(5 ?(52.) 02 5:??1329 7 41:34(1% @7. X
8:/ /023 U7.152 /02 0:?((7/(3;I:25/(13 (3 @07/ 41?2.
/02) 41: 9 7552?8 2 @(/01:/ 82(3;2MH1529 /1 /02 473313
739 .(% 25 1% /02 232?) 02) ?2/ 01@2Q2. X @023 8.(2%)
739 .31:.3%:) :.;1)32 2MH 7(329 0(5 H15(/(13 739 4.7Q29
/02(. 79Q(42 2 @75 :3@((3;02 57(9 /1 82 2%/ @(/0
/02 51 2 407.;2 1% /02 37/(137 0131:. 1. 0(?52 % 02
57@ 31 7 /2.37/(Q2 8:/ /1 5:..2392./ /1 /02 232?) 13
/02 ?15/ 0131:.78 2 /2.?5 /02) 41: 9 18/7(3 X 8:/ 501: 9
1/02.5 07Q2 82//2. 79Q(42 /1 1%%2. 02 @75 .279) /1 7%%1.9
/02?7 /02 5:HH1./ (3 0(5 H1@2. 1 132 01@2Q2.
@75 H.2H7.29 @(/0 7 .2?29) 739 41352I:23/) 5:..2392.
@75 :373(?1:5) 7;.229 (.H13 /?7) 82 ?23/(1329 /07/
@0(2 /02) @2.2 92 (82.7/(3; 73 2(;0/223RH1:39 87 H75529
B8) /02 /78 2 7/ @0(40 /02) @2.2 527/29 %

02 4134 :9(3;92/7(5 1% /0(5 9(575/.1:5 2H(5192 (3 /02
7337 5 E1% .(/(50 40(Q7.) ?7) 82 8.(2%) .2 7/29 3 /02
!S/0 1% 4/182.7 % 7; 1% /.:42 @75 /1 82 5223 H.14229(3;
%(R107 /02 .1)7 47?H /1 /02 0279RI:7./2.5 1% 232.7 7/25
827.(3;@(/0 (/ /02 /2.?5 13 @0(40 /02 .(/(50 %1.425 H.1R

F 2Q(2@ 1% /02 Q(92:2; n4 H !$S
]' 1.913=5 (5/ 1% /02 ?2.(473 2Q1 :/(13 Q1 ((H V$+



U 3' G:5/(42' /1' / (2' 3(2?1()' 1%' :.;1G:(2' 739' K1% ((5' ;7 73/' %1 1@2.5' (/' (5' 8:/' %7(.' /1' 1852.Q2' /07/' /02' %1.42' /1' @0(40' /02)' @2.2' 41?H2 29' /1' 5:8?(/' %7.' 1:/3:?82.29' /02(.' 1@3' 91H/(3;' /02' ?2.(473' .2/:.35' /02' .(/(50' %1.42' @0(40' 5:..2392.29' 7/' 7.7/1;7' 7?1:3/29' 13)' /1' V $V+' ?23' 1%' @01?' L V**' @2.2' /.7(329' 51 9(2.5X' /02' .2?7(392.' 82(3;' 47?HR%1 1@2.5' B 3' /02' 1/02.' 0739 R' 7441.9(3;' /1' 7' .2/:.3'5(;329' 8)' 7/25' 13' /02' 97)' H.2Q(1:5' /1' /02' 413J Q23/(13P' /02' Q(4/1.(1:5B' 7.?)' 4135(5/29' 1%' 31' %2@2.' /073' !L+!#' G323' (3B' 799(/(13' /1' L "$V' (323' @01' 079' 8223' 523/' U%1.@7.9' (3' 92/740?23/5' @(/0X' /02' 18G24/' 1%' 4://(3;' 1%%' /02./2/.27/' 1%' /02F' .(/(50' 82/@223 7.7/1;7' 739' (413R' 92.1;7' 441.9(3;B/1' (8813'R/02' 0(5/#.(73=X /02' 7//2.' 7/' /02' /(?2' 1%' /02(.' 5:..2392.' 0P9' 8223' N' /0.22' 97)5' @(/01:/' 27/(3;=/F' K' K B

ÉB /' D75B7' .2?B7.>78 P' -P./)' 41?H1529' 1%' 92%27/29' 75' @2' 75' 1%' Q(4/1.(1:5 232.7(' %%(42B. wB @01' 13' /02' 2Q23(3;' 1%' /(2R5:..2392.X' 1%' /02' .(/(50' //.?)' 7/' 7.7/1;7' 7552?8 29' 7/' 232.7' 7/25=5' 015H(/78 2' 9(332.R/78 2' 7/25' @75' 31/' '3(XP' 0(?52 %' 73' 3;(50?73' 8)' 8(./0' 8:/' (3' 7' 2//2.' U@.(//23' 13)R'R7' %2@'=97)5F' 7%/2.' 0(5' ;.27/' 5:44255' /1' /02' 7.' 1%' 0732/')2B%(39' 0(?' 5/) (3;' 0(?52 %' 132' N @01' ;1.(25' (3' / [2' 37?2 OB D (23'/02.2%1.2'Z(2' ;.22/29' :.;1)32' @(/0' /02' 5H3%(2@07/' 2I:(Q147)' @1.929' 57 :/7/(13<N' 7?' Q2.)' 07HH)' /1' 522')1:O'<'(/' (5R(?H155(8 2' /1' 82 (2Q2' 75' 075' 8223' 51?2/(?25' 5:HH1529' /07/' /02' @1.95' @2.2' (3J /23929' /1' 82' /02' Q20(4 2' 1%' 2(/02.' (35:/' 1.' @(/' N' 82 (2Q2' (/@7 5' :.;1)32=5' .2H)X' N' /02' %1./:32' 1%' @7.' (5' 23/(.2)')13.5 OG± 31/02.' 2?(323/' ?2.(473' 1%%(42.' /1' @01?' 13' /0(5'/.)(3;' 14475(13' :.;1)32' @75' (3/(39:429' @75' 232.7' -0((HB 40:)2.' 132' 1%' /0152' (337/2' ;23/2?23' 739' 7/' /02' 57?2' /(?2' 23/2.H.(5(3;' 51 9(2.5' @01?' 7/' /0(5' 4.(5(5

F' (881:=5' (542 7321:5' D1.>5' H',*' 9(/(13' !"L$
]' 1)7;25'9:' 7.I:(5'92' 075/2 :M' I:1/29'(3' 7.' /7301H2=5' (5/' 1%' 3;7x9' Q1' Q(' H' +"!' #

1% /02 925/(3(25 1% ?2.(47 (/ @75 02. ;119 %1./:32 /1 3:?82. 7?13; 02. 5135 / 079 07HH2329 /07/ :.;1)32 (3 /02 41:.52 1% 0(5 9(575/(F1:5 47?H7(;3 079 %2 / 0(?52 % 4135/.7(329 8) ?((/7.) 324255(/) /1 8:.3 91@3 31/ 13) /02 %7Q1?(/2 5:??2. .25(92342 1% 232.7 40:)2. 8:/ 7 51 0(5 Q7 :78 2 5/1.2R01:525 G /0:5 14475(13(3; 0(? 7 155 7?1:3/(3; (/ (5 57(9 /1 /23 /01:5739 H1:395 2/ @023 /02) 5:852I:23/) ?2/ 7/ 232.7 7/25=5 /78 2 /02 ?2.(473 (35/279 1% 9(5H 7)(3; 73) 9(5H 275:.2 1. 2Q23 41342.3 %1. @07/ 079 144:..29 7/ 1342 H 7429 0(? 8) /02 0(;0R8.29 ;119R0:?1:. @(/0 @0(40 02 7442H/29 :.;1)32=5 7H1 1;(25 41?H 2/2) 7/ 0(5 2752 N 2MH.25529 /1 0(? G 57(9 :.;1)32 N?) .2;.2/ 7/ /02 2Q23/ @0(40 879 07HH2329 739 /02 .275135 @0(40 079B 14475(1329 (/ 2 925(.29 ?2 /1 /0(3> 31 ?1.2 1% (/ 57)(3; /07/ /02 14475(13G:5/(%(29 (/ 7441.9(3; /1 /02 H.(34(H 25 739 .: 25 1% @7. 739 /07/ 02 501:9 07Q2 9132 /02 57?2 :H13 /02 57?2 14475(13 1. @1.95 /1 /07/ 2%%24/ 2 9(9 ?1.2 02 523/ 73 7(92R92R47?H /1 4139:4/ ?2 /1 873) (3 1.92. 75 02 2MH.25529 (/ /1 H.14:.2 ?2 82//2. I:7./2.5 /073 7 5/.73;2. ?(;0/ 82 78 2 /1 %(39 0(5 ;23/2?73 413J 9:4/29 ?2 /1 7 Q2.) 2 2;73/ 01:52 739 /1 ?) ;.27/ 5:.H.(52 H.2523/29 ?2 /1 .5 40:)2. 739 02. %7?( )X 739 (3 /0(5 232.7=5 01:52 .2?7(329 9:.(3; ?) @01 2 5/7) 7/ 873) @(/0 7 /78 2 1% ?1.2 /073 /@23/) 41Q2.5 %1. ?2 739 ?) %.(2395 739 2Q2.) 1/02. H155(8 2 92?135/.7/(13 1% 015H(/7 (/) G F

232.7 7/25 (3 7 2//2. /1 0(5 @(%2 @.(//23 %.1? 873) /0.22 97)5 7%/2. :.;1)32=5 5:..2392. ?7>25 51?2 .7/02. (3/2.25/(3;7 :5(135 /1 0(5 H.(5132.5 N ;1/ 02.2 G 02 @.(/25 N/02 3(;0/ 82%1.2 75/ 739 /02 7.?) 7.2 31@ 2347?H29 :H13 /02 02(;0/5 /1 /02 51:/0@7.9 1% /0(5 4(/)

U 232.7 :.;1)32=5 H2240 (3 /02 1:52 1% 1:(?135 7) +# !$"'X -7.((5/ Q1 M(M 41 !!"+ 22 7 51 D 7 H1 2=5 75/ 1:.37 5 Q1 ((HH !$V +$L +$! E

7G1.R 232.7' -0((H5 < @01' @.1/2' ?2' /07/' 57:4)' 31/2' 75/')27.' %.1?' /' 103=5 < (5' 31@' ?)' H.(5132.' @(/0' 1.9' -2/2.507? %' 7G1.' 4 739 < 513' 1%' (.' 01?75 < 739' 0(5' 79)' 97:;0/2.' 1%' 1.9' 4025/2.% < 5(5/2.' /1' /02' %7?1:5' 79)' :573 < 739' 781:/' 7' 91623' 2?82.5' 1%' -7. (7?23/' E 41/40' 1.95' n4 0 < N' ' 01H2' 79)' 73R(2/' 4 739' @(' 82' 02.2' Q023)1:' 7..(Q2' 02' (5' /02' ?15/' 7?(78 2' 92 (47/2' (// 2' H(242' 1%' I:7 (/)')1:' 2Q2.' 8202 9' 2.' 0:58739' (5' 132' 1%' /02' H.2//(25/' %2 1@5' ' 07Q2' 5223X' 27.329' 5235(8 2' 739' 70' 3; (50?73' /1' 7 ' (3/23/5' 739' H:.H1525X' 075' 8223' 7' ?15/' 413%1:3929' 1.)' 8:/' ' 01H2' /1' ?7>2' 0(?' 75' ;119' 7' D 0(;' 75' ?)52 %' 82%1.2' @2' 52H7.7/2 0' \

D023' 13' /02' +*/0' 1%' 1Q2?82.' /02' .(/(50' -7. (7?23/' .2R7552?8 29' /02' 9(5?7' /(9(3;5' 1%' :.;1)32=5' 5:..2392.' @2.2')2/' 13' /02(.' @7)' 74.155' /02' /73/(4' :?1:.5' (39229' 1%' 51?2' 52.(1:5' 9(575/2.' 07Q(3;' 82%7 23' /02' 7.?)' E1%' 73797' 079' %1.' 51?2' /(?2' 8223' 4:..23/' 8:/' /02' /2..(8 2' /.:/0' 079'a)2/' /1' 82' .2Q27 29' 0152' .:?1:.5' 01@2Q2.' Q7;:2' 75' /02)' @2.2' 079' ;132' %7.' /1' 5/(.' :H' 73' 7Q2.5(13' /1' /02' @7.' 1.'51?2'/(?2'H75/'?1.2' 23 (;0/2329' H2.5135' 079' 82;:3' /1' 75>' /02?52 Q25' @02/02.' /02' @7.' @75' (3' .27 (/)' 7' .(;0/21:5' 132' Q2.)' 132' 079' 7..(Q29' 7/' /02' 413Q(4/(13' /07/' (/' @75' 8241?(3;' 7' Q2.)' 2MH235(Q2' @7.' .1?'/02' (3;' 91@3@7.95' 7 ?15/' 2Q2.)' 132' @75' 7;.229' (3' @(50(3;' (/' 7/' 73' 239' Q23' /02' 41:3/.)' ;23/ 2?23' @0152' .1:395' 1%' 7HH 7:52' 079' 01:3929' 13' 07. 25' 1@350239' (3' /02' 97)5' 1%' 0(5' %7/7' %(3734(7' /.(:?H05' 82;73' /1' I:25/(13' /02' @(591?'1%'/02(.'%1.?2.'23/0:5(75?'739'/1'91:8/'@02/02.'73' 74I:(2542342' (3' 7' ?192.7/2' 739R/7M' @1:9' 31/' 07Q2' 8223

U' 07. 25' 7%/2.@7.95'/0(.9' 7.'1%' 7..(3;/13'739'7' 232.7'(3'/02' .?)' /' 79)' 0.(5/(737' 7.1(32' 23.(2//7' /.73;@7)5'81.3' 73:7.)'L' !$V*' ?7..(29' (((' !$$!' 7G1.' 103')>2' 4 739'2 925/' 513'1%' (.' 01?75')>2' 4 739' 7./' 1%' (2./13' 1:52' 2Q1350(.2' 3'(3/2.25/(3;'7441:3/' 1%'/01' 07.950(H5' 739'/.(7 5' @0(40' 79)' 23.(2//7'239:.29'(3'%1 1@(3;'7'5(4>'739'@1:3929'0:58739'/0.1:;0'/02' 7379(73'47?H7(;3'@('82'%1:39'(3' 28.2//=5' 7.132/7;2'& # 4 739' 25H24/(3;' 02.' N%7?1:50'5(5/2.' 79)' :573' /.73;@7)5'522' 'Q1'('H'##'739'31/2' /' 11.2=5' (7.)'1%'/02' ?2.(473' 2Q1 :/(13 RQ1 '('HH'V!!'V!+

255‘ 2MH235(Q2‘ (3‘ / (2‘ 239‘ /073‘ Q1/(3;‘ ?((135‘ %1.‘ /02‘ H:.H152‘ 1%‘87)132//(3;‘ /02(.‘%2 1@R41:3/.)?23‘ 02‘ @1.5/‘ 1%‘ (/‘ @75‘ 01@2Q2.‘ /07/‘ 7 /01:;0‘ 2Q2.)‘ 132‘ @75‘ 92J 5(.1:5‘ 1%‘ H2742‘ 2Q2.)‘ 132‘ @75‘ 31‘ 255‘ .251 Q29‘ /1‘ ?7(3/7(3‘ /02‘ 1 13(25‘ (3‘ /02(.‘ 92H2392342‘ @0(2‘ 13‘ /02‘ 1/02.‘ 0739‘ /02‘ 1 13(25‘ @2.2‘ 2I:7)‘ 92/2.?(329‘ 31/‘ /1‘ /.27/‘ 2M42H/‘ (3‘ /02(.‘ 32@‘ 47H74(/)‘ 75‘ 73‘ 392J H23923/‘ H21H 2‘ N‘ ‘ /2 ‘ /0(5‘ 1:52‘ 739‘ /0(5‘ 1Q2.3R‘
44 ‘ ?23/0‘ @75‘ 7;7(3‘ /02‘ H.1H02/(4‘ 73;:7;2‘ 1%‘ 1Q2.31.‘ -1@37 ‘(3‘ /02‘ 1??135‘ N/07/‘ /02‘ ?2.(4735‘ 32Q2.‘@(‘ .2/:.3‘ /1‘ /02(.‘ 5:8G24/(13‘ /1‘ /0(5‘ 41:3/.)0‘ 02‘ 51Q2J .2(;3/)‘ 02‘ 57(9‘ 1%‘ .27/‘ ./7(3‘ 1Q2.‘ ?2.(47‘ @75‘ 781 (5029‘ 739‘ ;132‘ %1.‘ 2Q23‘ N‘ 3/(‘)1:‘ 507 ‘ 82‘ 413J Q(3429 0‘ 02‘ 79929‘ N/07/‘)1:‘ 7.2‘ 31‘ 13;2.‘ 51Q2.2(;35‘ 1Q2.‘ ?2.(47‘ 8:/‘ /07/‘ /02‘ 3(/29‘ /7/25‘ 7.2‘ 73‘ (392H23923/‘ 51Q2.2(;3‘ H21H 2‘ <‘:3/(‘)1:‘ 7.2‘ H.2H7.29‘ /1‘ /.27/‘ @(/0‘ /02?‘ 75‘ 5:40<(/‘ (5‘ 1%‘ 31‘ 41352I:2342‘ 7/‘ 7 ‘@07/‘ 5402?25‘ 1.‘H 735‘ 1%‘4134((7/(13‘ /0(5‘ 5(92‘ 1%‘ /02‘ 1:52‘ 1.‘/07/‘ ?7)‘ 5:;;25/0F

/‘ /0(5‘ /(?2‘ /02‘ 01H25‘ 1%‘ /02‘ 37/(13‘ @2.2‘ %(M29‘ 7 ?15/‘ 2M4 :5(Q2)‘ :H13‘ /02‘ (:5/.(1:5‘ 739‘ Q232.78 2‘ 07/07?‘ 2‘ 7 132‘ (/‘ @75‘ %2 /‘ 41:9‘ 41H2‘ @(/0‘ /02‘ H.2523/‘ 2MJ /.71.9(37.)‘ 2?2.;234)‘)‘ ?2735‘ 1%‘ /02‘ ;.27/‘ H1H:J 7.(/)‘ 1%‘ 0(5‘ 37?2‘ 13‘ /02‘ 1/02.‘ 5(92‘ 1%‘ /02‘ /73/(4X‘ 8)‘ ?2735‘ 1%‘ 0(5‘ ;23(:5‘ 0(5‘ 2 1I:2342‘ 739‘ 0(5‘ H7/.(1/(5?‘ (/‘ @75‘ 4135(92.29‘ /07/‘ /02‘ %:./02.‘ 50299(3;‘ 1%‘ 8 119‘ ?(;0/‘)2/‘ 82‘ 5/7)29‘ 739‘ /02‘ 9(5?2?82.?23/‘ 1%‘ /02‘ ?H(.2‘ H.2J Q23/29‘ 441.9(3;)‘ 75‘ /02‘ 97)‘ 7HH1(3/29‘ %1.‘ /02‘ .2J 7552?8(3;‘ 1%‘ -7.(7?23/‘ 9.2@‘ 327.‘ /02.2‘ H.2Q7(29‘ /02‘ 922H25/‘ 73M(2/)‘ /1‘ (5/23‘ 1342‘ ?1.2‘ /1‘ 0(5‘ :3.(Q7 29‘ 2 1J I:2342‘ 739‘ /1‘ 27.3‘ /02‘ 37/?2‘ 1%‘ /02‘ .2?29(7‘ H1(4)‘ @0(40‘ (/‘ @75‘ >31@3‘ /1‘ 82‘ 0(5‘ (3/23/(13‘ /1‘ H.1H152‘ (3‘ -7.(7?23/‘ D023‘ /07/‘ 97)‘ 7..(Q29‘ /02‘ .1)7‘ H2240

H.1Q29' /1' 82' ?1.2' (R79Q(529' (%' H155(8 2' /87.(' 879' 8223' /02' 4752' 13' %1.?2.' 5(?(7.' 14475(135' 1/1.(1:5)' /0.27/23J (3;' 75' @75' /02' 4 1:9' @0(40' 0:3;' 1Q2.' /02' 37/(137' 01.(613' /02' ?(52.78 2' @7.' @0(40' @75' .7;(3;' 13' /02' 1/02.' 5(92' 1%' /02' / 73/(4' @75' 31/' 13)' 5H1>23' 1%' @(/01:/' 925H13J 92342' 8:/' (3' 73;:7;2' 1%' H.25:?H/:1:5' 413%(92342' 02' 8.7Q2' 739' 23(;0/2329' 41:3/.)?23' 1%' D750(3;/13' 739' .73> (3' @2.2' 5/(' 9231:3429' 75' 7' N'92 :929' 739' :307HH)' ?:/(/:92 0' @0(2' /02' 318 2' 5H(.(/' @0(40' 73(?7/29' /02?' @75' 407.74/2.(629' 75' /02' N'185/(374)' 1%' .282 5 0' F' 1' 73;:7;2' 41:9' 82' 82//2.' 47 4:7/29' /1' (3%7?2' /1' (/5' 0(;025/' H(/40' /02' (39(;37/(13' 1%' 07/07?X' 739' 7441.9(3;)' @023' 02' .152' %(=1?' 0(5' 527/' /1' ?1Q2' 73' 7?239?23/' /1' /02' 99.255' (/' @75' @(/0' %750(3;' 2)25' 739' @(/0' 11>5' 1%' (32MH.255(8 2' 541.3' N' 5' /1' 413I:25/' ?)' 1.95 0' 02' 57(9' N(/' (5' (?H155(8 2'† 1:' ?7)' 5@2 ' 2Q2.)' 2MH2352' 739' 2Q2.)' 2%%1./' 5/(' ?1.2' 2M/.7Q7;73/)X' H(2' 739' 744:?:7/2' 2Q2.)' 755(5/7342')1:' 473' 8:)' 1.' 81..1@X' /.7%%(4' 739' 87./2.' @(/0' 2Q2.)' (// 2' H(/(%:' 2.?73' -.(342' /07/' 52 5' 739' 52395' 0(5' 5:8624/5' /1' /02' 507?8 25' 1%' 7' %1.2(;3' -.(342'X' 8:/')1:.' 2%%1./5' 7.2' %1.' 2Q2.' Q7(3' 739' (?H1/23/X' 91:8)' 51' %.1?' /0(5' ?2.4237.)' 7(9' 13' @0(40')1:' .2)' %1.' (/' (..(/7/25' /1' 73' (343.78 2' .2523/?23/' /02' ?(395' 1%')1:.' 232?(25' 1' 1Q2.J .:3' /02?' @(/0' /02' ?2.4237.)' 5135' 1%' .7H(32' 739' H:392.X 92Q1/(3;' /02?' 739' /02(.' H155255(135' /1' /02' .7H74(/)' 1%' 0(.2J (3;' 4.:2/)† %' ' @2.2' 73' ?2.(473' 75' ' 7?' 73' 3;(50J ?73' @0(2' 7' %1.2(;3' /.11H' K@75' 73929' (3' ?)' 41:3/.)' ' 32Q2.' @1:9' 7)' 91@3' ?)' 7.?5<32Q2.R<P32Q2.<Ê 32Q2.T%

N' :/' ?)' 1.95' @01' (5' /02' ?73' /07/<(3' 799(/(13' /1' /0252' 9(5;.7425' 739' ?(540(2%5' 1%' 1:.' 7.?)<P075' 97.29' /1' 7:/01.(62' 739' 755;4(7/2' /1' 13.' 7.?5' /02' /1?707@>' 739' 547 H(3;R>3(%2' 1%' /02' 57Q7;2'ć' 1' 47 ' (3/1' 4(Q((629' 7 (7342

/ (2‘ Q(9 739‘ (30:.77:‘ 57Q7;2‘ 1%‘ /02‘ @1195‘ X /1‘ 92 2;7/2‘ /1‘ /02‘ ?2.4(255‘ 39(73‘ /02‘ 92%2342‘ 1%‘ 9(5H:/29‘ .(;0/5‘ 739‘ /1‘ @7;2‘ /02‘ 01..1.5‘ 1%‘ 0(5‘ 87.87.1:5‘ @7. 7;7(35/‘ 1:.‘ 8.2/0.23‘ T)‘ 1.95‘ /0252‘ 231.?(/(25‘ 47 ‘ 7 1:9‘ %1.‘.29.255‘ 739‘ H:3(50J ?23/‘ 3 255‘ /01.1:;0)‘ 9132‘ 7@7)‘ (/‘ @(‘ 82‘ 7‘ 5/7(3‘ 13‘ /02‘ 37/(137‘ 407.74/2.‘ /‘ (5‘ 7‘ Q(1 7/(13‘ 1%‘ /02‘ 135/(/:/(13‘ ‘ 82 (2Q2‘ (/‘ (5‘ 7;7(35/‘ 7@ 0‘ F

/‘ @75‘ (3‘ .2H)(3;‘ /1‘ /0(5‘ 5H(./29‘ 923:34(7/(13‘ /07/‘ 132‘ 1%‘ /02‘ (3(5/2.5‘ /02‘ 7.‘ 1%‘ :%%1>‘ 7(9‘ 0(?52 %‘ 1H23‘ /1‘ 25H24(7‘ 73(?79Q2.5(13‘ 2‘ @75‘ G:5/(%(29‘ (39229‘ (3‘ 7.;:(3;‘ /07/‘ :3 255‘ .27/‘ .(/7(3‘ 079‘ /:.329‘ /02‘ /1?707@>5‘ 1%‘ /02‘ 39(735‘ 7;7(35/‘ /02‘ ?2.(4735‘ /02‘ ?2.(4735‘ .Q1:9‘ 07Q2‘ /:(R329‘ /02‘ /1?707@>5‘ 7;7(35/‘ .27/‘ .(/7(3‘ 1.9‘ :%%1>‘ 01@2Q2.‘ /11>‘ 0(5‘ 5/739‘ 13‘ 255‘ 92%235(8 2‘ ;.1:395‘ 3‘ 7‘ 413/25/‘ @(/0‘ .282 5‘ 02‘ 57(9‘ /02.2‘ @2.2‘ 31‘ ?2735‘ @0(40‘ 19‘ 739‘ 7/:.2‘ ?(;0/‘ 07Q2‘ H 7429‘ 7/‘ /02‘ 9(5J H157‘ 1%‘ /02‘ ;1Q2.3(3;‘ H1@2.5‘ /1‘ @0(40‘ /02)‘ @1: 9‘ 31/‘ 82‘ G:5/(%(29‘ (3‘ 07Q(3;‘ .241:.52 %‘ %‘ 73)/0(3;‘ @75‘ @73/(3;‘ /1‘ %(‘ /02‘ H0(7‘ 1%‘ 1.9‘ 07/07?=5‘ @.7/0‘ (/‘ @75‘ /02‘ 2MH.255(13‘ 1%‘ /0(5‘ :301)‘ 523/(?23/‘ N‘ 2‘ 5/7./29‘ :H 0‘ @.(/25/02‘ :>2‘ 1%‘ .7%/13‘ @01‘ @75‘ H.2523/‘ N‘ @(/0‘ 7‘ 92;.22‘ 1%‘ (39(;37/(13‘ /07/‘ 79929‘ /1‘ /02‘ %1.42‘ 1%‘ /02‘ 5:9923‘ 739‘ :32M7?H 29‘ 8:.5/‘ 1%‘ 2 1I:2342‘ @0(40‘ ?:5/‘ 07Q2‘ 7%%24/29‘ 73)‘ 7:9(2342‘ 739‘ @0(40‘ 522?29‘ /1‘ ?2‘ /1‘ 5:.H755‘ 7‘ /07/‘ @2‘ 07Q2‘ 2Q2.‘ 027.9‘ 1%‘ /02‘ 42 28.7/29‘ 1.7/1.5‘ 1%‘ .2242‘ 739‘ 1?2 0\ < N)‘ 1.95 0‘ 2M4 7(?29‘ /02‘ ;.27/‘ 1.7/1.‘ N‘ ‘ 7?‘ 75/13(5029 < ‘ 5014>29 < /1‘ 027.‘ 5:40‘ 523/(?23/5‘ 413%25529‘ /1‘ 027.‘ /02?‘ 7Q1@29‘ (3‘ /0(5‘ 1:52‘ 1.‘ (3‘ /0(5‘ 41:3/.)‘ X H.(34(H 25‘ 2I:7)‘ :34135/(/:/(137‘ (30:?73‘ 739‘ :340.(5/(73‘)‘ 1.95‘ ‘ 9(9‘ 31/‘ (3/239‘ /1‘ 07Q2‘ 234.174029‘ 7;7(3‘ :H13‘)1:.‘ 7//23J /(13‘ X 8:/‘ ‘ 47331/‘ .2H.255‘ ?)‘ (39(;37/(13‘ ‘ %22‘ ?)52 %‘ (3(H2 29‘ 8)‘ 2Q2.)‘ 9:/)‘ D 2‘ 7.2‘ 47 29‘ P:H13‘ 75‘ ?2?82.5

F‘ -7.(‘ (5/‘ Q1‘ M(M‘ 41‘ L#S‘ B]‘ ‘5 #‘ 41 5‘ L#"‘ L"$
‘ :>2‘ 1%‘ .7%/13=5‘ ‘ 2?1(.5‘ I:1/29‘ (3‘ 7.‘ /7301H2=5‘ (5/‘ 1%‘ 3;739‘ Q1‘ (‘ H‘ MQ(((‘ HH239(M

1% / ((5 1:52' 75 ?23' 75 0.(5/(73 ?23' /1' H.1/25/ 7;7(35/ 5:40 31/(135' 5/739(3;' 327.' /02 /0.132' H1 :/(3;' /02 27.' 1% 7G25/) < ^ 07/ 19 739 7/:.2 07Q2 H:/ (3/1' 1:.' 07395T=< >31@ 31/ @07/ (9275 /07/ 1.9 ?7)' 23/2./7(3 1% 19 739 7/:.2' 8:/ ' >31@ /07/ 5:40 781?(378 2 H.(3J 4(H 25 7.2 2I:7)'7801..23/ /1' .2 (;(13 739 0:?73(/) ' D 07/† /1' 7//.(8:/2 /02 574.29 5734/(13 1% 19 739 7/:.2 /1' /02 ?75574.25 1% /02 39(73 547 H(3;R>3(%2' /1' /02 4733(87 R 57Q7;2'/1./:.(3;' ?:.92.(3;'.175/(3;' 739 27/(3;< (/2.7)' ?)' 1.95' 27/(3;< P/02 ?73; 29 Q(4/(?5 1% 0(5 87.87.1:5 87// 25' :40 01..(8 2 31/(135 5014>' 2Q2.)' H.242H/ 1% .2 (J ;(13' 9(Q(32 1.' 37/:.7 ' 739 2Q2.)' ;232.1:5 %22 (3;' 1% 0:?7J 3(/) ' 02)' 5014>' 2Q2.)' 523/(?23/ 1% 0131:.' 02)' 5014>' ?2 75 7 1Q2.' 1% 0131:.78 2 @7.' 739 7 92/25/2.' 1% ?:.92.1:5 87.87.(/) ' 0252 781?(378 2 H.(34(H 25' 739 /0(5 ?1.2 781?(378 2 7Q1@7' 1% /02?' 92?739 /02 ?15/ 924(5(Q2 (39(;37/(13' ' 47 ' :H13 /07/ (;0/ 2Q2.239 2340' /0152 01)' ?(3(5/2.5 1% /02 15H2' 739 H(1:5 H75/1.5 1% 1:.' 0:.40 ' ' 413G:.2 /02?' /1' G1(3 (3 /02 01)' @1.>' 739 Q(39(47/2 /02 .2 (;(13 1% /02(.' 19 ' 7HH27' /1' /02 @(591?' 739 /02 7@ 1% /0(5 27.329 2340 /1' 92%239 739 5:HH1./ /02 G:5/(42 1% /02(.' 41:3/.) ' ' 47 ' :H13 /02 (501H5 /1' (3/2.H152 /02 :35: (29 5734/(/)' 1% /02(.' 7@3 :H13 /02 27.329 :9;25 /1' (3/2.H152 /02 H:./(/)' 1% /02(.' 2.?(32' /1' 57Q2 :5 %.1?' /0(5 H1 :/(13' ' 47 ' :H13 /02 0131:.' 1%)1:.' 1.950(H5 /1' .2Q2.2342 /02 9(;3(/)' 1%)1:.' 73425/1.5' 739 /1' ?7(3/7(3)1:.' 1@3' '47 ' :H13 /02 5H(.(/ 739 0:?73(/)' 1% ?)' 41:3/.)' /1' Q(39(47/2 /02 37/(137' 407.74/2.' ' (3Q1>2 /02 ;23(:5 1% /02 135/(/:/(13' .1?' /02 /7H25/.)' /07/ 791.35 /0252 @7 5 /02 (??1./7' 73425/1.' 1% /0(5 318 2 1.9 F %.1@35 @(/0 (39(;37/(13 7/ / (2

F 1.9 :%%1 >' @75 925423929 %.1?' 01?75' %(.5/ 7.' 1% :%%1 >' @01' 0(;0)' 9(5J /(3;:(5029 0(?52 % (3 /02 41?'739 1% 7 5 ((H (3 /02 ?2?1.78 2 23;7;2?23/ @(/0 /02 H73(50 .?797' 1.9 07/07?' 01@2Q2.' H.1878)' ?1.2 H7./(4:7.)' 79Q2./29 /1' /02 1.9 (;0 9?(.7' 1.9 1@7(9 1% %%(3;07?' @01' >3(;0/29 0(5 >(35?73 7/

9(5;.742 1% 0(5 41:3/.) 3 Q7(3 02 29)1:.' Q(4/1.(1:5 % 22/ 7;7(35/ /02 8175/29 .?797 1% H7(3 X (3 Q7(3 02 92J %23929 739 25/78 (5029 /02 0131:.'/02 (82./(25'/02 .2 (;(13' /02 -.1/25/73/ .2 (;(13' 1%/0(5 41:3/.) 7;7(35/02 7.8(/.7.) 4.:2 /(25 1% -1H2.) 739 /02 3I:(5(/(13' (% /0252 ?1.2 /073 -1H(50 4.:2 /(25 739 3I:(5(/1.(7' H.74/(425 7.2 2/ 1152 7?13;':5 1 /:.3 %1./0 (3/1 1:.'52// 2?23/5' 7?13;' 1:.' 734(23/ 41332M(135' %.(2395' 739 .2 7/(135' /02 ?2.4(255 473J 3(87' /0(5/(3;' %1.' /02 8 119 1% ?73' @1?73' 739 40(9 1 5239 %1./0 /02 (3%(92' 57Q7;2<7;7(35/ @01?'c< ;7(35/)1:.' -.1/25/73/ 8.2/0.23' /1 7)' @75/2 /02(.' 41:3/.)' /1 9251 7/2 /02(.' 9@2 (3;5' 739 2M/(.H7/2 /02(.' .742 739 37?2 @(/0 /0152 01..(8 2 02 R01:395 1% 57Q7;2 @7.<P02 R01:395' ' 57)' 1% 57Q7;2 @7.'T0

02 ?275:.25' H.1H1529 8)' 1.9 07/07?' 739 2?819(29 8)' 0(?' (3 0(5 7?239?23/ /1 /0i' 99.255' @2.2 /02 H://(3;' 73 (??29(7/2 5/1H /1 015/((/(25 (3 ?2.(47' /1 82 %1 1@29 :H 8)' 7 .27/)' 1% H2742 739 7?(/)' @0(40 501:9 524:.2 %1.' /02 ?2.(4735 /02 %:' 739 H2.?7323/ 23G1)?23/ 1% /02(.' 734(23/ .(;0/5' (82./(25' 739 407./2.5' 739' 7/ /02 57?2 /(?2' H.1Q(92 %1.' /02 %:/:.2 5/.23;/0' 07HH(3255' 739 H.15H2.(/)' 1% /02 :3(/29 2?H(.2' 1.9 07/07?=5 413J 4((7/1.)' H.1G24/' @02/02.' (>2)' /1 82 7442H/78 2 /1 /02 ?2.(473 H21H 2 1.' 31/' @75' 75 :5:7' 5@7?H29 8)' /02 Q1/25 1% /02 0(;0RH.2.1;7/(Q2 H7./)

/ @75' 13 /02 /0(.9 1% 242?82.' /0(./223 97)5 7%/2.' /02 ?22/(3;' R1% -7.(7?23/' /07/ /02 75/1:39(3;' 32@5 1% :.R ;1)32=5 9(575/2.' 7/ 7.7/1;7 @75 %(.5/ 41??:3(47/29 /1 /02 1:52 1% 1??135' (5/.255(3;'.:?1:.5' 57(9 1 132' 7..W < 799.255(3;' 0(?52 % /1 /02 ?2.(473 24.2/7.)' 1% /7/2' 1.9 21.;2 2.?7(32<@2.2 .(%2 (3 /02 ?2/.1H1 (5' 1% 7

527 %1.' /02 ;119 51.Q(41 02 079 .2392.29 (3 /02 74/(13' 02 /7H25/.)RO73;(3;' .2H.2J 523/(3;' /02 92%27/ 1% /02 .?797' @0(40 791.329 /02 1 9 1:52 1% 1.95' @75 925/.1)29 8)' /02 ;.27/ %(.2 7/ D25/?(35/2.' (3 ! LS
' F -7.(' (5/ ' Q1 ' M(M' 41 2' "#" <L$*

;.27f9(575/2.'07Q(3;'82%7 23'/02'%(32'7.?)'@0(40'079'.2423/)'
I:(//29'/02' .(/(50'501.25'739'02'7HH27 29'/02.2%1.2'/1'/02'
318 2' 1.9'/1'(3%1.?'/02' 1:52'13'0(5'0131:.'@02/02.'
5:40'.:?1:.5'079'73)'Q7(9'%1:397/(13' D023'1.9'
21.;2'.152'/1'.2H)'(f'@75'@(/0'2Q(923/'.2 :4/7342'739'
@(/0'11>5'2MH.255(Q2'1%'/02'@1.5f'/07f'41: 9'07Q2'07HH2329'
1Q2.3?23/'02'57(9'079'75')2f'.242(Q29'31'7:/023/(4'
(3/2 (;2342'13'/02'5:8G24/'8:/'%(=1?'2MH.25525'@0(40'079'
.274029'0(?'%(1?'A:2824'02'%27.29'/07f'/02'.2H1./5'@2.2'
13)'/11'41..24/' (5'@1.95'%2' (>2'7'/0:392.4 7H':H13'
/02' 1:52' 1/0(3;B41:9'82'?1.2'?73(%25f'/073'/07f'
73'7@%:'739'0:?((7/(3;'47/75/.1HO2'079'82%7 23'/02'
41:3/.)<(/07f'7' .(/(50'7.?)'079'5/.:4>'(/5' 41 1?='
7f'/02'824>'1%'73' :39(54(H (329' 1 13(7'?((/(7</07f'/02'
57?2'?23'@01(3'-7.(7?23f'079'8223'(3'/02'078(f'1%'5322.J
(3;'7f'75'7'41@7.9)'9(51.;73(629'.788 2'079'/.7?H 29'
:392.'%11f'/02'734(23f'?((/7.)';1.)'1%' .27f' .(/7(3' '
H7:52<73'7?15f'7@%:'5(2342<%1 1@29' 1.9' 21.;2=5'
.25:?H/(13'1%'0(5'527/' 1'51132.G'01@2Q2.'079'75/13(50J
?23f'079'/(?2'/1')(2 9'/1'(39(;37/(13'/073'%.1?'/02' (H5'1%'
1M' 7..W'739' :.>2'5:44255(Q2)'/02.2'@75'0:. 29'7f'
(3(5/2.5'5:40'7'5/1.?'1%'(3Q24/(Q2'739'57.475?'/07/B2Q23'
/02'81 925f'739'?15f'07.92329'H 742?23'I:7(29'82327/0'
(/5'Q202?2342' 1.9' 1./0':5:7)'51'52%RH15525529'(%'
31f'7H7/02/(4'@75'51'7%%24/29'75'/1'5029'/27.5 F
3'/02' 1:52'1%' 1.95'7/01:;0'/02'7331:342?23f'1%'
:.;1)32=5'5:..2392.'H(B1Q1>29'7' 255'/2?H25/:1:5'9287/2'
/02'H1(4)'1%' (3(5/2.5'@75'31f'/02' 255'(39(;373/)'(?J
H:;329' D023'/@1'97)5'7%/2.@7.95' 07/07?'7;7(3'
7.152'/1'799.255'/02' 1:52'13'/02'5:8G24/'0(5'%(;:.2'
?(;0f'07Q2'%1.?29'73'79?0R78 2'5/:9)'%1.'/02'H7(3/2.'B
1.'/02'54:H/1.' 2'079'(3'0(5'0739'02'57(9'/02'75f'
H2240'%.1?'/02' 0.132' 2'079'(3'0(5'027./'7'922H'52352

1% /02 ;.27/ 47 7?(/) /07/ 079 1Q2./7>23 0(5 41:3/.) 02
H2240 02 (35(5/29 @75 5H24(1:5 739 :3%7(/0%: 02.2
@75 31/ 7 318 2 1.9 (3 9?(3(5/.7/(13 @01 97.2 .(52
739 7//2?H/ /1 413/(=1Q2./ 0(5 7552./(13 (3(5/2.5 079
(?H1529 :H13 /02 H21H 2 739 -7. (7?23/ 079 8223 92 :929
(3/1 5734/(13(3;/02 (?H15(/(13 02) 079 02 9 1:/ N%7 52
(;0/5 0 /1 /02 41:3/.) ;23/ 2?23 X 529:4(3;/02?/1 5:HJ
H1./ 7 925/(=:4/(Q2 @7. :392./02 (?H.255(13 /07/ 7 9(?(3:J
/(13 1%/02 739R/7M @1: 9 82 /02 41352I:2342 1%9.7@(3;7
.2Q23:2%.1?/02 1 13(25 02 H.1G24/ 1% H232/.7/(3;(3/1
/02 ?2.(473 /7/25 8) @7) 1% 73797 @75 31/ 13) 7 ?15/
@(9 :341?8(329 739 ?79 132 8((/ (/ 079 8223 47..(29 1:/
(3 7 ?7332./02 ?15/ 8 119) 87.87.1:5 739 %2.14(1:5 1%
73) .241.929 (3 0(5/1.) 02 7.?5 1% .27/ .(/7(3 079
8223 /7.3(5029 8) 8 239(3;/02 547 H(3;R>3(%2 739 /02 /1?7J
07@> @(/0 /02 5@1.9 739 /02 %(.2 14> / @75 7 5/(;?7
@0(4 (1/ 7 /02 @7/2.5 1%/02 :9513 31. 1%/02 2 7@7.2
41:9 @750 7@7) N (3(5/2.5 F 2M4 7(?29 /02 Q232.78 2
7. N 079 (35(9(1:5) 82/.7)29 /02(. 41:3/.) (3/1 7
@7. @(/0 ?2.(47 39 @07/ 079 8223 /02 %.:(/5c<
2/ /02 579 47/75/.1H02 @0(40 079 82%7 23 :.;1)32
5H27>T0 F

02 (39(Q(9:7 13 @0152 0279 /02 923:34(7/(135 1%
07/07? 13 /0(5 14475(13 %2 /02 027Q(25/ @75 . 7.>07?
.408(501H 1% 1.> @0152 .2423/ 92 (Q2.) 1% 0(;0 1.)
/(.7925 (3 /02 H: H(/ 75 @2 7H (3 /02 1:52 1% 1.95 079
14475(1329 ;.27/ 9(5;:5/ /1 /02 (82.7 H7./) 02 914/.(325
1%/02 (;0/ 2Q2.239 -.2 7/2 57(9 /02 (39(;373/ 1.7/1.
@2.2 /0152 1% //2.8:.) 739 7402Q2.2 5 7 D0(;
02 31/ 13) 78G:.29 739 92/25/29 5:40 914/.(325 8:/ 02
01H29 /1 522 /02 97) @023 /02) @1: 9 82 H:3(5078 2 75
(82 5 0(5 475/(;7/(13 522?5 /1 07Q2 .73> 29 922H (3 /02
?(39 1% /02 .408(501H D023 %(Q2 ?13/05 7%/2.@7.95

927/0' 4 1529' /02' 2)25' 1%' /02' ?15/' (:5/.(1:5' 3; (50?73' 1%' 0(5' 7;2' 739' @023' 0(5' 41:3/.)?23' @2.2' Q)(3;' @0(40' 501: 9' ?15/' 91' 0131:.'/1' 0(5' ?2?1.)' /02' .408(501H' @75' 132' 1%' %1:.' H22.5' @01' 23/2.29' 7' H.1/25/' 13' /02' 1:.37 5' 1%' /02' 1:52' 1%' 1.95' 7;7(35/' 52// (3;' 7' .2Q23:2' 13' /02' 7. 91?' 1%' 07/07?'F

?13;'/0152' @01' 922H)' 1Q29' /02((F' 41:3/.)' 739' @01' /02.2%1.2' @2.2' /02' ?15/' 5235(8)' 7%% (4/29' 8)' /02' /(9(3;5' 1%' :.;1)32=5' 5:..2392.' @75' :3I:25/(1378)' /02' (3;' 4J 41.9(3;' /1' D7H12' @023' /02' 32@5' @75' 41??:3(47/29' /1' 0(?' 02' N' %2' (3/1' 7;13(25 0' /' 0(5' 2Q22' (39229' 13' /02' %1 1@(3;' 97)' 0(5' ?7332.' 31/' 13)' 82/.7)29B31' 5(;3' 1%' 92G24/(13' 8:/' (%' D7H12' (5' /1' 82' 4.29(/29<N'/1' 9(5;:(52' 0(5' 41342.3' 02' 7%%24/29' /1' 7:;0' 739' /1' 82' 51' (:92R' 423/)' ?2..)' /07/' 1.9' 1./0' 23927Q1:.29' /1' 5/1H' 0(? 0' %' 0(5' 01@2Q2.' (>2' 7 ?15/' 2Q2.)' 1/02.' 5/7/2?23/' 1%'R/0%(/' H.2G:9(429' @.(/2.' @023' 02' 075' 14475(13' /1' 473Q755' /02' 407J .74/2.' 1.' 4139:4/' 1%' 21.;2' /02' 0(.9' 501:9' 82' .242(Q29' @(/0' H.1H2.' 47:/(13' 02' (3;=5' 13;' 739' 37/:.7' .2J :4/7342' /1' .241;3(52' 75' 7' 5(5/2.R(3R 7@' D7H12=5' %1./:37/2B' 3(242' /02' ?((32.=5' (2;(/(?7/2' 97:;0/2.' 32Q2.' %7(29' /1' .73>2' (3' /02' 027./' 1%' /02' 1%%23929' @(/' N' 07Q2' 31/0' @.(/25' /02' 7/2' (3;' 1%' 731Q2.' N')2/' .279' /0152' 2//2.5')1:' .2%2.' /1' 1%' 1.742' D7H12' 8:/' 473' 82 (2Q2' 73)/0(3;' 1%' 0(5' 73(?15(/)' 739' H2.5137' 9(5 (>2' /1' /02' 7/2' (3;0' 3' /02' ?273' /(?2' 7' @7.' @(/0' .7342' @0(40' 1.9' 07/07?' 739' 1/02.5' 079' ?1.2' /073' 1342' H.29(4/29' @1:9' 82' /02' 41352I:2342' 1%' H.1/.74/(3;' /02' 413/25/' (3' ?2.(47' @75' 2Q(923/)' 13' /02' 2Q2' 1%' 82(3;'%1.429':H13' .27/' ./(7(3' .7342' (3/23/' 13' H.14:.(3;' /02' .:(3' 739' R0:?((7/(13' 1%' 3; 739' 739' /:.3(3;' /02?' /1' 02.' 1@3' 79Q73/7;2' 879

F' -7(' (5/' Q1' M(M' 41 5' S,!' !+VV
]' D7H12=5' 75/' 1:.37 5' Q1' ((' H' !$*
d' ' 2//2.'/1'/02' 7/2' .' .1>2.' 02' 2//2.5' .2%2..29'/1'0)'/02' (3;'1%' 73J
1Q2.' @2.2' 2Q(923/)' D7H12=5' 2//2.5'/1' (.' 1.742' 733' H:8 (5029'(3' !"SL<S

%1.' 51?2' /(?W' H75/' ?792' 31' 524.2/' 1%' 02.' 7//740?23/' /1' 02' 35:.;23/' 47:52B'739' 1%' /02' 57/(5%74/(13' @(/0' @O(40' 5 (2' 8202 9' 02.' 734(23/' 232?)' 2MO7:5/(3;' 02.' .251:.425' 339' G (k.((3;' 02.'B41??2.42' (3' /02' ?79' H:.5:(/' 7%/2.' 73' :3R' '7//7(378 2'18G24/' .1?'7' Q2.)' 27.)'H2.(19' 1%' /02' 5/.:;; 25' 74.155' /02' / 73/(4' /07/' N(35(9(1:5' 37/(13= < 75' 21.;2' /02' 0(.9' 925(;37/25' .7342' (3' 132' 1%' 0(5' 2//2.5'/1' 1.9' 1%/OPPR 9(79R5:..2H/(/(1:5)' 5:HH (29' /02' ?2.(4735'@(/0' R7.P5' 7H9' 1/02.'?((7.)' 5/1.25' (75' 2732' 1%' 13J 324/(4:/< @023' 925H7/4029' /1' -7.(5' N'/1' 18/7(3' 739' 4: /GR' KQ7/2'≐ /0W' %.(23950(H' 1%' .7342< 079' 8223' 75' 0131:.78)' 9242(Q29' (3' /07/' 41:3/.)' 75'(%' 02' 079' 8223R/02' (3(5/2.'1%' 7' ;.27/'739' (39 2H23923/'-1@2.' Ù =.73> (3'@023' 5:852Is:23/)' 7n514(7/ 9' @(/0' 0(?R(3' /02' ?(55(13' @75' .242(Qi9' @(/0' 2Qi3' ^;(B27/2(B9(5/(34/(13' 02 BN H11.' H.(3/2.5' 81) Ó' @01?'/02' P2j/' 1.95' 079' %1.?2.)' 7:;029' /1' 541.3' (3' /02' 3:34(' BR 07?8;'' 7/' PO(/20B7 B' @75' 31@' 41:./29'P739' 47.2552 9' 7/' /02' 07:;0/(25/'G 1 ./' 739' (3' /02' ?15/'8.((73/' 57 1135B' 1%' 73)' 47H(/7'(3' :.1H2' X' ' B /' 23;/0' /02' 413/23/5' 1%' /02' 925H7/4025' .242(Q29' 8)' (3(5/2.5' %.1?' /02' .(/(50' ?8755791.P' 7/' -7.(5' 1.9' /1.?13/' 2%/' (// 2' 91:8/F'13 /02(.' ?(395' 1%' /02' =P015/(2' (3/23/(135' 1%' /02' H:./' 1%' 2.57(25' .7342' 739' U 24'□P' H7(3' Kk..1/2 0(5' 1.950(H' @2.2' 2Q(923/)'H 1//(3;=U/1;2/023' /0 iBN' 2M24:/(13' 1%' 51?2' (35(9(1:5' 925(;3 Ó' 02(.'a18G24/' 75' 02' H1(3/29' 1:/' @75' ?73(%25/)' /1' 2341:.7;2' /02' %/(2.(H735' /1' 413/(3:2' /02(.' .25(5/7342' /(/02' .251:.425' 1%B .27/' .(J /7(3' 501:9' 82' 7?15/' 2MO7:5/2(P' 739' /023' 5:99=23)' 739' :32MH24/29)' /1' (3%(4/' :H1H' R02.' 73' (..2H7.78 2P' 8 1@' R .279)' /02' 37Q7'%1.42' I%' 7.7322' @75' P:?H)' 5:%%(4(23/' %1.' B 7' /02' H:.H1525' 1%' 92%2342' X')2/'B@.(/25' /1.?13/' N'/02)' Ù 7.2' 413/(3:7)' 234.275(3;' (/O%' P%1.'/02' 785/.74/' 4h:52

F' 1.9' .1:;07?=5' /7/25?23' 1%'/02' (?2'1/' 21.;2'L'Q1''(' R' *V']' 7.' /7301H25' (5/'1%' 3;739'Q1' Q('H'MM(' HH239(M

' D" v ' ' ' f ' / !,!

1% I :7..2 Q 82/@223 .27f .(/7 (3 739 (2.'B 1 13(25' /02 .2340 1:.f H.1878)'/11>' 75 (// 2 (3/2.25f (3 (/' 75 (3 /02 75f 9(5H:/25 82/@223 /02 02.1>22 739 /02 R 0(4>h5h@B 39(735' ' /07f /02 .2340 (3(5/2.5 47.29'%1.' (Qh5 /8i' 7;;.739(62?23f 1% .7342'/02 92;.797/(13 1% 3; 739 =739 7= %7Q1:.78 2 41??2.4(7'/.27/)' @(/0 ?2.(47' .27f .(/7(3' /02)' 7.;:29' ?:5/' (3 41352I:2342 1%/02 .:(31:5 7?933f 1% ?23 739 ?((/7.)'5/1.25@0(40 502B@75 4135 /73/)R/.735H1./(3;' 74.155 /02 / 73/(4'07Q2 327.)' 7..(Q29 7f /0W 239 1% ?2735X 02 ?2.(4735' 13P /02B' 1/0W% 0739''079B501@3F^ /02.352 Q25 31f 13)'78 2 /1' .7(52'739 /1' ?7(3/7(3B' 7.?(25 1% R/02(.' 1@3 (3 /02 %(2 9'8:f 47H78 2 1% .25(5/(3;'B/02 9(54(H (329 U /.11H5 1% :.1H2' 1.21Q2.' 7 .W79)G 925H(/2 V02B % 22/5 % .27f .(/7(3' ?2.(473 H.(Q7/22.5 @2.2 /02'/2.%1G 1% /0W 14273' 2f ?W.(47' /023 R@75 /02 H.WH15(/(13 1%B/02B .2340 (3(5/2.5' 740(2Q2'8:f 132 5(;37 B=?((/7.)'5:44255 :H13 02.'1@3 1('739 .7342 @1:9 31f'13)'%22'G:5/(%(29F (3B74>31@ 29;(3;'02.' 392H2392342'8:f @n:9 7f 1342 H.1J 4 7(?'02.52 %02.'%(R(239 739_'7) B 023'57(9 /02) a@('/02 ;1.(1:5 97)'07Q2 97@%(29' @023 .7342 @(%1.4i'02.' (?J ?2?1.(7'%12 /1')(2 9 /1' 02.' /02 2?H(.2 1%/02B5275' 739 /1' 9.7(3 /1' (/5 9.2;5 /02 4:GY 1% 37/(137'925H139234)' ' R U 07/B' :392.' /0252F 4(.4:?5/73425' .7342_'501:9 P7Q2= 2M:/29 B 1Q2.b /0i' ;(27f U9(575/2.' @0(40 079 82%7 23P /(2'= .(/(50 7.?5 7f 7.7/1;7'@75 31/0(3;' ?1.2 /073 @75B%1' 82 2MH24/29'(' 3_'/02 1H(3(13 1% /02 .2340 (3(5/2.' 1% 7.(((2G '92 7./(32 B@0152 Q(2@5 @2.2 5:852I:23/)'2?J 8.74W 0)'/02 1:3f 92 7:.2H35 739 /02 1:3f 92 X 2.R ;23325= /02 /(?2 079 7f R 23P0 7..(Q29 @023 (f 8247?2 B/02 H1(4)' 1% .7HH2 /1'/0.1@ 91@3 /02 ;7:3/ 2f /1' .27f .(/7(3'8)' 1H23)'7Q1@(3;'02.52 %/02 407?H(13 739 7)' 1% /0W .2Q1 /29 1 13(5/5'1% ?2.(47' 441.9(3;)'781:f /02 ?(99 2 1% 242?82.H31f 13)' @75 /02 027./ 1% .73> (3 E2G1(429 8)'/02 (3/(?7/(13 /07f 0(5 15f 0.(5/(73 7G25/)' @75 H.2H7.29 /1' .241;3(52 /02 392H2392342 1%0(5 41:3/.)

8:/' 10' /02' #/0' 1%' 28.:7.)' !$$"' @2.2' 5(;329' 7/' -7.(5' /0152' %7?1:5R' /.27/(25' 1%' 1??2.42' 739' (7342' @0(40' ?1.2' /073' 73)' 1/02.' H1 (/(47' 41Q2373/' 1%' ?192.3' '/(?25'G@2.2' 925/(329' /1' 7%%24/' /02' %1./:325' 1%' /02'' 0:?73' .742

/' @75' Q2.)' 501./)B82%1.2' /0(5'/(?2 R/07/' /02' (3;' (5' 57(9' /1' 07Q0' H.(Q7/2)R925H7/4029' /1' -7.(5' 7?25' ://13' /02' 1.7Q(73< N' /02' 1 9' 927%' 1.7Q(73 0' 75' @2' %(39' 21.;2' P/22Q235' 5/) (3;' 0(?< (3' /02' 75/' %7(3/' 01H2' 1%' 0(5' 82(3;' 78 2' /1' 32;1/(7/2'/2.?5' 1%' 7?(/)' @(/0' .73> (3' 5' ://13' 7HH27.5' /1' 07Q2' 8223' 7' %7Q1:.(/2' @(/0' 0(5' 1Q2.2(;3' 739' 75' 02' @75B42./7(3)' 79?(//29' 8)' 0(3(' /1' %.2I:23/' H2.5137' (3J /2.Q(2@5' /02' H.25:?H/(13' /07/' 02' @75' 51' 2?H 1)29' 8)' /02' (3;' (5' .2392.29' %7.' %.1?'R:3.2751378 2' 07/' 0(5' ?(55(13' @75B7' %.:(/ 255' 132' (/' (5' 3229 255' /1' 799' ://13 0' @(R(/25' D7 H1 2' N' @(/0' %27.5'% :3;' 0(((52 %' 13' .73> (3=5' 324>' 739' 825224029' 0(?' /1' ;%P2' 81/0' 41:3/.(25' H2742' 02' H1 (/(4' H0(151H02.' .2H (29' 411)<)2/'42./7(3)?1/' @(/01:/' %22 (3;' /02' /.(:?H073/' 9(;3(/)' 1%' 07Q(3;' 0:?8 29' ' 07:;0/)' ?137.40< ^ /' @75' /11' 7/2 ≟ 8 '+ 1' (

3' 1' 7Q(9' 7./2)' .73> (3' @.(/25' %.1?'-755)' 13' /02' !+/0' 1%' 28.:7.)' !$$"' X < N 3' 1 9' %.(239' 1%' ?(32' .' ://13' 7' 40(2%' 1% /02' 1.7Q(735' @01' (5' 1%/23' 7/' /02' A:223B5' -7 742' 739' (5' 51?2/(?25' 5H1>23' /1' 8)' /02' (3;' @75' 1Q2.' 02.2' 7/2)' 2' H.2/23929' /1' 31' 41?(55(13' 8:/' :.;29' ?2' ?:40' /1' H.1H152' 51?2' /2.?5' 1%' H2742' @0(40' 7Q1(929' 2' 075' @.(//23' /1' ?2' 5(342' 0(5' .2/:.3' H.255(3;' /02' 57?2' /0(3;' 739' 2MH.255(3;' @(/0' 51?2' 413%(92342' 0(5' 1H(3(13' /07/' @2' ?(;0/' 07Q2' 2Q2.)/0(3;' 501./' 1%' 392H2392342' n4' 34 1529' ' 5239' ?)' 735@2.5' 1H23' /07/')1:' ?7)' .279' /02?' 739' (%')1:' H 2752' 41H)' 82%1.2')1:' 92 (Q2.' /02?' 02)' @(' 52.Q2' /1' 501@')1:' ?1.2' %:')' ?)' 523/(?23/5' /01:;0' /02)' 52.Q2' 31' 1/02.' H:.H152 0' 2?1(.5' 1%' 7?25' ://13' 8)' 73(2' 2307?' 13913' !"V#' H' #!L' 22' 7 51' H' S,"' 739' ' E739' HH' S,,' #*$<#!,' 1%' 2307?=5' 2?1(.5' 1%' ://13' X D7 H1 2=5' 75/' 1:.37 5' Q1(' ((' H' +*S' 739' Z '8)' .' 1.73' X 739B (401 5=5' (/2.7.)' 32491/25' 1%' /02' !"/0' 23/:.)' Q1(' (((' H' SL$' F

% @ E ' FFF '

287/25' B(3' -7. (7?23/' 13' /02' ?2.(473' A:25/(13< /G13;B' %22(3;R' (0' %7Q1:.' 1%'
413429(3;' ?2.(473' 392H2392342< 134((7/1.)' 275:.25' H7P29' 8)' -7. (7J
?23/' 13' /02' ?1/(13' 1%' /02' -.2?(2.' 1.9' 9./0<P G.27/)'H%' 1??2342'82/@223'
.7342' 739' /02' .2Q1/29' 1 13(5/5< 1352I:23/' :H/:.2'@(/0' .7342< 232.7'
2?739'%1.'/02'7HH1(3/?23/' 1%' 1.9' 07/07?'75' -.2?(2.< /.13;' 7Q2.5(13' 1%'U
/02' (3;' /1' /0(5' ?275:.2< 02' (3;=5' %1.?2.B>(393255' (R.2H7(9' 8)' 1.9'
07/07?< 2%:57'1%' %%(42' 8)' 1.9' 07/07?< (5' 75/' H2240< (5' 927/0X<'
3/2.?23/' 1%' 1.9' 07/07?'(3' D25/?(35/2.' 882)

- ' .(/(5(' -7. (7?23/' 31' 51H32.' .2R7552?8 29' 7%/2.' /02' '
0.(5/?75' .24255' /073' /02' H1 (4)' 1%' (3(5/2.5(3' .2;7.9' /1'
?2.(47' @75' 75' :5:7' %(2.42)' 7//74>29' (3' 81/0' 1:525' E
3%1./:37/2)' /02' I:25/(13' (3Q1 Q29' 7' H1(3/' 13' @0(40' /02'
2792.5' 1%' /02' HH15(/(13' @2.2' 9(Q(929' 7?13;' /02?52 Q25
/' @75' 7.;:29' 13' /02' 132' 0739' 8)' 1.9' 14>(3;07?' 739'
/02' :>2' 1%' (40?139'/07/' /02' .2/:.3' 1%' /02' 1 13(25' /1'
/02(.' 7 2;(7342' @75' 73' (?H155(8 2' 2Q23/' 739' /02.2%1.2' /07/'
(/' @75' 7 (>2' /02' 9:/)' 739' /02' H1 (4)' 1%' .27/' .(/7(3' 7/'
1342' /1' 74>31@ 29;2' /02' 392H2392342' 1%' ?2.(47' 739' 7/F'
/02' 57?2' /(?2' /1' 74>31@ 29;2' (/' @(/0' 75' ;119' 7' ;.742' 75'
H155(8 2' N' 41342(Q2 0' @.(/25' 1.9' 14>(3;07?' /1' 1.9P'
07/07?' N' /07/' ?2.(47' @(' 32Q2.' 7;7(3' 75523/' /1' /0(5'
41:3/.)=5 07Q(3;' 74/:7' H1@2.'@(/0(3' /07/' 413/(323/' '473J
31/' /02.2%1.2' 51' %7.' 82/.7)' ?)'/.:5/' /1' /02' H:8(4' 75' /1' 74/'
75' (%' /07/' @75' H.74/(478 2' @0(40' '/01:;0/' 1/02.@(52 0' F' 3'
/02' 1/02.' 0739' 1.9' 07/07?' 739' 1.9' 02 8:.32' @2.2' 413R

F' 73:7.)' +#' !$$"X' 07/07?' 1..25H' Q1' (Q' H' S,!' 22' 7 51' 1.9' 07/07?=5'
2//2.' /1' /02' :>2' 1%' (40?139' H.(' #' !$$"' H2.07H5' /02' 75/' 2//2.' @0(40' /02'
;.27/' 5/7/25?73' 2Q2.' @.1/2' '5 ' Q1' (Q=' H' V!"

(3429' /07/' 7' 52H7.7/(13' 82/@223' .27/' .(/7(3' 739' 02.'
1 13(25' @1: 9' (3Q1 Q2' /02' .:(3' 1%' /02' 2?H(.2' 739' 7441.9J
(3;)' @2.2' H.2H7.29' /1' :H01 9' /02' 51Q2.2(;3/)' 1%' /02'
?1/02.R41:3/.)' 7 ?15/' 7/' 73)' 574.(%(42
07/' ?73)' @(52' 739' %7.R5(;0/29' H2.5135' @2.2' 82;(33(3;'
/1' 791H/' /02' Q(2@5' 1%' 1.9' 14>(3;07?' 739' 0(5' H7./)'
/02.2' 473' 02' 31' I:25/(13' Q23' 1.9' 02 8:.32' @75'
41?H2 29' /1' 79?(/' /07/' 5:40' @75' /02' 4752' 1' 1.9'
07/07?' 02' @.(/25' 13' /02' +L.9' 1%' 242?82.' !$$$<'
N' 7?' 23/(.2)' 1%')1:.' 1.950ØH=5' 1H(3(13' 75' /1' 31/'
5:854.(8(3;' /1' /02' (392H2392342' 1%' /0W' H 13(25'X Ø
N'0:/Ø 02' 7995' N')1:.' 1.950(H' ?7)' 02' 755:.29' 7' 9(%%2.23/'
1H(3(13' ;7(35' ;.1:39' 2Q2.)' 97)' 739' (/' %(5' ?2' @(/0' 75/1J
3(50?23/' /1' ?22/' @(/0' H2.5135' /1/7)' :3413324/29' @(/0'
2740' 1/02.' 97( )' 41?(3;' 1Q2.' /1' /02' 74>31@ 29;?23/' 1%'
/02(.' (392H2392342 Ø (' 02' Q(2@' /7>23' 8)' 1.95' 07/07?'
739' 02 8:.32' @75' 42./7(3)' 73' :3%1./:37/2' 132' 1.' (3J
5/7342' 079' 7' %.(239)' 52H7.7/(13' /7>23' H 742' 7/' /0(5' /(?2'
82/@223' /02' /@1' 41:3/.(25' (/' @1: 9' 07Q2' 8223' 7//23929' @(/0'
547.42)' 07 %' /02' 0:?((7/(13' @0(40' 5:852I:23/)' /7.3(5029'
/02' 4134255(13' 8)' .27/' .(/7(3' 1%' ?2.(473' 392H2392342'
/' @1: 9' 07Q2' H:/' 73' 239' 7/' 1342' /1' 7' 415/)' 739' 573;:(37.)'
5/.:;;2' /' @1: 9' 07Q2' H.2Q23/29' ?:40' 1%' /07/' Q(39(4/(Q2'
%22 (3;' 739' ?73)' 1%' /0152' 027./R51.25' @0(40' @2.2' /02' 413J
52I:23425' 1%' 413/(3:(3;' /07/' 5/.:;; 2X' 739' 75/)' 8)H.2RB'
2:9(3;' /02' 3229' 1%' ?2.(47' /0.1@(3;' 02.52 %' (3/1' /02'
7.?5' 1%' .7342' /02' (?H239(3;' @7.' @(/0' /02' 1:52' 1%'
1:.813' @1: 9' (3' 7' H.1878((/)' 07Q2' 8223' @7.929' 1%% %'
N' 1?' 739' 29:47/29' (3' 3; 739 Ø @)(/25' 232.7' 7/25' /1'
0(5' %1.?2.' %.(239' /02' 7.' 1%' 0732/' N' 47331/' 02 HR%22 J
(3;' %1.' /02' ?(5%1./:325' 8.1:;0/' :H13' ?)' 37/(Q2' 41:3/.)' 8)

F' 07/07?' 1..25H' Q1' (Q' HH' S"*' S"S
]' N Q2.)' 2//2.' %.1?' .7342' 7995' /1' /02' H.1878((/)' 1%' 7' 5H229)' 924 7.7/(13' 1%'
@7.X=' 02' (3;'/1' 1.9' 1./0' "!' 73:7.)'!$$"'X C '+ ' I ' 'C '
Q1' Q(' H' MMM(Q' HH239(M

/02' @(4>293255' 1%' /07f' 9?(.((5/(R7/(13' @01' 82;73' 739' 07Q2' 413/(3:29' / ((5' ?15f' :3G:5/' (?H1(/(4' 4.:2' 739' :337/:.7'@7.0' 02' ?2.(4735'7.2'9254.(829'8)' 7/25'75' .251 Q29' /1' 5:..2392.' /02(.' 32@' 392H2392342' 13)' @(/0' /02(.' (Q25' N 02' 3(/29' /7/25'1%' ?2.(47 0' 02' @.(/25' N7.2'@((3;' /1' 82' /02' %.(2395'8:f' 32Q2.'@('5:8?(f' /1' 82' /02' 5 7Q25' 1%' /02' H7.23/R41:3/.)' 02)' 7.2' 8)' 413573J ;:(3(/)' 8)' 73;:7;2' 739' 8)'/02' 7%%24/(13' @0(40' 37/:.7)' 5H.(3;5' %.1?' /0252 F' ?1.2' 7//74029' /1' 3; 739' /073' 73)' 1/02.' 41:3/.)' :392.' /02' 5:3' 02.2%1.2' 5H:.3' 31f' /02' 8 255(3;'@0(40')2f'.2?7(35' 35/73/)'@(/09.7@')1:.'% 22/5' 739'7.?(25' :/(Q7/2'/02'%.(23950(H' 739' 41??2.42' 1%' ?2R B.(47' 0:5'739'/0:5' 13)'473' 3; 739' 01H2'/1' 82' ;.27f' 739' 07HH)' 22>'(f' (3' 7' 41??2.4(7' 7 (7342' 22>'(/' 2.2'(f'82'/11' 7/2'%1.'/02.2' 13)')1:' ?:5f' 2MH24f'/1'%(39' (/' 0252'?)' 1.9'7.2'/02' :39(5;:(529' 523/(?23/5' 1%' 7' ?73' /07f'.2G1(425' 31f' (3'/02'8 119' 5029' (3'/0(5'%7/7'413/25f'V 1%' 7' ?73'@01' ;1.(25' (3'/02' 37?2' 1%' 73' 3; (50?73' 739' @(5025'/1' 522' H2742' 739' %.(23950(H'82/@223' .27f' .(/7(3' 739' ?2.(47' %(M29' :H13' /02' %((R?25f' %1:397/(13 0'K 0(5' .2?7.>78 2' 2//2.'@75' H 7429' 8)' 1.9' 0732f' (3'/02'07395' 1%' 1.9' 14>(3;07?' 739' @75' 7HH7.23/)'501@3'8)'0(?'/1' 1.9' 07/07?' %' 5:40'01@2Q2.'@75'/02' 4752'(f'@75F/1' (// 2' H:.H152' 1' 823/' (39229' @75' /02' ;.27f' 7.' 13 0:?8(3;'1342' ?1.2'/02' H.(92'1%'/02' 1:52'1%' 1:.813'59' 413Q(3429' @75' 02' /07f' /02' 928752?23f' 739'%7' 1%' .27f' .(/7(3' ?:5f'(32Q(/78)'82'/02'41352I:2342'1%' ?2.(473' 3J 92H2392342' 75' 7HH7.23/)'/1'82'(35235(8 2'/1' 7' 7.;:?23f' 739' .27513' 0:5'@75'/02' HH15(/(13'92H.(Q29'1%'/02';.27f' 79Q73/7;2' 1%' 07Q(3;' 7' 41??13' 2792.' 02.2'@2.2'/@1' H1(3/5'01@2Q2.'13'@0(40'/02)'@2.2'23/(.2)'7;.229 < 13'/02

F' +)# #

]' 07/07?' 1..25H'Q1'(Q'HH'S",<,*' # 02' 2//2.'@0(40'(5'97/29' 4/182.' +#'!$$$'@75'5:852I:23/)' 28.:7.)'+#'!$$"Y'.279'8)' 1.9' 14>(3;07?'(3'/02' 1:52'1%' G1.95' > # I #'Q1'M(M'41'$L!

(341?H2/238)‘ 1% /02‘ H.2523% ?(5/2.5‘ 7((9‘ 13‘ /02‘ 324255(/)‘ 1%‘/:.3(3;‘/02?‘1:/‘1% %%(42‘75‘5H229( )‘75‘H155(8 2

02.2‘@75‘7/‘/0(5‘H2.(19‘H2.07H5‘31‘H2.513‘(3‘ 3; 739‘ @01‘?1.2‘73M(1:5)‘ 13;29‘%1.‘H2742‘@(/0‘/02‘ 1 13(25‘/073‘ /02‘ -.(?2‘ (3(5/2.‘ 1.9‘ 1./0‘ 13;‘5(342‘/(.29‘1% /02‘ @1..)‘ /02‘ %7/(;:25‘739‘/02‘.25H135(8((/(25‘1% 1%%(42‘/02‘ ;.27/‘18G24/‘1% 0(5‘027./‘079‘8223‘/1‘8.(3;‘/02‘9(5H:/2‘@(/0‘ ?2.(47‘/1‘73‘0131:.78 2‘ /2.?(37/(13‘739‘07Q(3;‘7441?J H(5029‘/0(5‘H0(73/0.1H(4‘H:.H152‘/1‘82‘7 1@29‘/1‘.2/(.2‘ (3/1‘H.(Q7/2‘ (%2‘@(/0‘/02‘41351 7/1.)‘.2% 24/(13‘/07/‘02‘079‘ 9132‘0(5‘:/?15/‘/1‘52.Q2‘0(5‘ (3;‘739‘41:3/.)‘ 441.9J (3;)‘(/‘@75‘@(/0‘/0(5‘18G24/‘/07/‘13‘/02‘!$/0‘1% 28.:7.)‘ 02‘.152‘%.1?‘0(5‘527/‘(3‘-7.(7?23/‘739‘(3‘7‘ :4(9‘739‘2 1J I:23/‘5H2240‘2MH1:3929‘/1‘73‘75/13(5029‘ 1:52‘1% 1?J ?135‘/02‘?275:.25‘8)‘@0(40‘02‘(?7;(329‘4134((7/(13‘?(;0/‘ 82‘2%%24/29‘ 3%1./:37/2)‘%1.‘/02‘4.29(/‘1% (3(5/2.5‘/0152‘ ?275:.25‘H.1Q29‘/1‘82‘7 ?15/‘H.24(52)‘/02‘57?2‘75‘079‘8223‘ %1.?2.)‘79Q147/29‘8)‘/02‘ :>2‘1% .7%/13‘739‘@0(40‘079‘ /023‘8223‘541:/29‘8)‘ 1.9‘ 1./0 739‘0(5‘H7./)‘75‘:39(;3(J %(29‘739‘(?H.74/(478 2‘ 02‘?7(3‘H1(3/5‘(3‘/02‘-.(?2‘ (3(5/2.=5‘H 73‘4135(5/29‘1%‘7‘H.1H157‘/1‘;:7.73/22‘/1‘ ?2J .(47‘73‘2M2?H/(13‘%.1?‘7‘%1.429‘/7M7/(13‘%1.‘/02‘%:/:.2‘739‘ 7/‘/02‘57?2‘/(?2‘/1‘31?(37/2‘%(Q2‘ 1??(55(132.5‘@01‘@2.2‘ /1‘H.14229‘/1‘ ?2.(47‘739‘/1‘/.27/‘9(.24/)‘@(/0‘ 13;.255‘ 0252‘ 1??(55(132.5‘@2.2‘/1‘82‘2?H1@2.29‘/1‘928 7.2‘ 7‘42557/(13‘1% 015/((/(25X‘/1‘;.73/‘H7.9135X‘/1‘H.1?(52‘ /02‘.2H27‘1% /02‘52Q2.7‘1%%235(Q2‘ 4/5‘1% -7.(7?23/‘1% @0(40‘/02‘ 1 13(5/5‘41?H 7(329X‘(3‘%74/‘/1‘7;.22‘/1‘73)‘ /2.?5‘@(/0‘/02‘ ?2.(4735‘501./‘1% 73‘74>31@ 29;?23/‘1% /02(.‘392H2392342

02‘92 (Q2.)‘1%‘/0(5‘42 28.7/29‘2MH15(/(13‘37/:.7)‘2M4(/29‘ 73‘2M/.71.9(37.)‘52357/(13‘81/0‘(3‘739‘1:/‘1% /02‘ 1:52‘1% 1??135‘ /‘@75‘13)‘/11‘?73(%25/)‘7‘.2473/7/(13‘13‘/02‘ H7./‘1% (3(5/2.5‘1% /02(.‘%1.?2.‘2..1.5‘X 73‘79?(55(13‘/07/‘ /02(.‘H75/‘H1(4)‘079‘8223‘7‘8:392.‘ 1‘W55‘4 27.‘(/‘@75

/07f /02' ?275:.25' 31@' H.1H1529' @2.2' /02' .25: /' 31f 1%' 413Q(4/(13' 8:f 1%' 324255(/)' 739' %27.' K 7?23/78 2' (39229' (5' /02' 4135(92.7/(13' 01@' 7.;2' 73' 7?1:3f 1%' 8 1195029' 7.(9' 0:?((7/(13' ?(;0f 07Q2' 8223' 7Q1(929' 079' /0152' ?27J 5:.25' 8223' 27.(2.' 791H/29' 07?2' @75' 92H(4/29' 13' /02' 41:3/2373425' 1%/02' (3(5/2.(7' H7./)' 75' /02)' (5/2329' /1' /02' 73;:7;2' 1%' /02(.' 2792.' 1' 31' H7./)' (39229' 9(9' 1.9' 1./0=5' 5402?2' ;(Q2' 57/(5%74/(13' 02' %.(2395' 1%' (;0R' -.2.1;7/(Q2' @2.2' (3423529' 7f /02' (927' 1%' /.27/(3;' @(/0' ?23' @01?' /02)' .2;7.929' 75' (351 23f .282 5' @0(2' /02' HH15(/(13' @2.2' 31f 255' (39(;373f 7f /02' 7HH.1H.(7/(13' 1%' /02(.' H1 (4)' 8)' (3(5/2.5' 7' H.14229(3;' 8)' @0(40' /02)' @2.2' .18829' 1%' /02((R' 5/1:/25f @27H13' 1%' 7//74>' f' @75' (?H155(8 2' %1.' /02?' 01@2Q2.' @(/01:f 9(5H 7)(3;' 7' Q2.)' %74/(1:5' 5H(.(/' /1' 9(5523f %.1?' ?275:.25' 1%' @0(40' /02)' 079' 8223' /02' 7.923f 79Q147/25' 739' 41352I:23/)' 1.9' 1./0' 2MH2.(23429' 8:f (// 2' 9(%%(4:/)' (3' 47..)(3;' 0(5' 251 :/(135' (3/1' 7@

f' @75' /@1' 97)5' 7%/2.' /02' (3;' 079' ;(Q23' 0(5' 75523f /1' 1.9' 1./0=5' ?275:.25' /07f /02' .2340' 7?8755791.' /02' 7.I:(5' 92' 17(25' H 7429' (3' /02' 07395' 1%' 1.9' D2)J ?1:/0' 75' (35: /(3;' 739' 1%%235(Q2' 7' 31/2' 75' 2Q2.' @75'.242(Q29' 8)' 7' .(/(50' 24.2/7.)' 1%' /7/2' 02' 3(/29' /7/25' (f (3/(J ?7/29' FE% ' ' # ' ' '8 # # ' 0(5' ?15/f 0.(5/(73' 7G25/)' 079' /01:;0f H.1H2.' /1' 32;1/(7/2' @(/0' /02?' 7'/.27/)' 1%' 41??2.42' 739' H2742' @0(40' 079' 70R279)' 8223' 9:)' 5(;329' 8)' /02(.'.25H24/(Q2' H 23(H1/23/(7.(25' 3' /02' !$/0' 1%' 7.40' 41H(25' 1%' /0(5' 31/2' @2.2' 5(?:/7321:5)' 7(9' 8)' 1.9' D2)?1:/0' 82%1.2' /02' 1:52' 1%' 1.95' 739' 8)' 1.9' 1./0' 82%1.2' /02' 1:52' 1%' 1??135' '.1)7' ?25J 57;2' @75' 7f /02' 57?2' /(?2' 92 (Q2.29' /1' 81/0' 1:525' (3' @0(40' 0(5' 7G25/)' 7%/2.' 07Q(3;' (3/(?7/29' /1' /02?' /07f /02' .(/(50' ?8755791.' 079' .242(Q29' (35/.:4/(135' /1' I:(f -7.(5' 2MJ H.2552' 0(5' 413%(92342' /07f /02' 627 1:5' 739' 7%%24/(137/2' 5H0(f 1%' 0(5' H21H 2' @1:9' %:.3(50' 0(?' @(/0' /02' ?2735' 1%' .2H2 (3;' (35: /' 739' 1%' :H01 9(3;' /02' 37/(137' 0131:.' 1)7

799.25525' /1' /02' (3;' @2.2' 47..(29' (3' 81/0' 1:525' 8)' 7.;2' ?7G1.(/(25

/' @75' 7/' /0(5' /0.27/23(3;' 4.(5(5' /07/' /02' 41:3/.)' ?1.2' 739' ?1.2' 423/.29' (/5' 01H25' (3' 1.9' 07/07?' /' @75' .2?2?82.29' 01@' (3' %1.?2.' 97)5' 1%' ;.27/' 37/(137' H2.(' 739' 0:?((7/(13' 02' 079' H.1Q29' /02' 57Q(1:.' 1%' 0(5' 41:3/.)X 01@' ?7.Q2 1:5)' 02' 079' .25/1.29' /02' 41??2.42' 739' .2H:/7/(13' 1%' .27/' .(/7(3X 01@' ;1.(1:5)' 02' 079' :H02 9' 02.' 0131:.X 01@' 41?H 2/2)' 02' 079' 0:?8 29' /02' 1:52' 1%' 1:.813' (5' 37?2' (/' @75' 7.;:29' @75' 5/(' 02 9' (3' 7@2' 8)' /02' 37J /(135' 1%' :.1H2' 739' 74.155' /02' /73/(4' @75' 5/(' 7' Z 1Q29' 739' 73' 0131:.29' 132' (5' 2 1I:2342' @75' 5/(' 75' 5:8(?2' 739' 0(5' ?(39' /1' 7' 7HH27.7342' 75' Q(;1.1:5' 739' 75' %2./(2' 1%' 2MJ H29(23/5' 75' 2Q2.' 441.9(3;)' %.1?' 7' I:7./2.5' 739' 8)' ?23' 1%' 7' H1(/(47' Q(2@5' 739' %74/(135' 7' 4.)' @75' .7(529' %1.' /02' 2 2Q7/(13' 1%' /02' Q232.78 2' 7.' /1' /02' H.2?(2.50(H' 02' 50(H' @75' (3' H2.(' 57(9' 1.9' 735%(2 9' @(/0' /27.5' (3' 0(5' 2)25' /1' 1.9' 1 92.3255' 739' :3 255' /02' (3;' 523/' %1.' 1.9' 07/07?' (/' @1:9' 755:.29)' 5(3> F' 232.7' 7/25' (3' 0(5' 2//2.' /1' 1.9' 0732/' 5H27>5' 1%' 0(?' 75' /02' N;.27/' 5/7/2R' H0)5(4(730' @0152' 5>' 7 132' 41:9' 4:.2' /02' ?7 79(25' 1%' 3;739' 739' ?2.(47 BTB' 1.9' :/2' (3' 0(5' 51(/:92' 7/' :/13' 37?29' 0(?' 75' 7HH7.23/)' /02' 13)' 5/7/25?73' 47H78 2' 1%' @27/02.(3;' /02' 5/1.? \X' 1.9' 1./0' 0(?52 %' 31/' 13)' :.;29' /02' (3;' /1' 5239' %1.' 0(5' .(Q7' 8:/' /1' 5239' %1.' 0(?' @(/01:/' 92 7)' 739' 75/)' /02')1:3;2.' 21.;2' .23Q(2' e' 2 1I:23/)'

28' ' H1(3/29' /1' 07/07?' (3' /02' 1:52' 1%' 1?? 135' 75' /02' 13)' (3J 9(Q(9:7' %(/' /1' ;.7HH 2' @(/0' /02' ;.27/' 2?2.;234)' 1%' /02' 01:.' N' %' /02.2' 82' 7' ?73' 0' 02' 2M4 7(?29' N' @01' 075' 52.Q29' /0(5' 37/(13' @(/0' 0131:.' /1' 0(?52 %' 739' ;1.)' /1' 0(5' 41:3/.)X (%' /02.2' 82' 7' ?73' @01' 075' 47..(29' /02' 7.?5' 1%' .(/7(3

F' 7.' 2?H 2' /1' 79)' 07/07?' X' 4' #' Q1' (Q' H' S,L'
]' 07/07?' 1..25H' Q1' (Q' H' S",' #
/' ?13=5' 32491/25' 1%' /02' 7.' 1%' 07/07?' Q1' (((' H' +,!
e' %/2.@7.95' 7.' 2?H 2' 739' 7.I:(5' 1%' :4>(3;07?

/.(: ?H (73f /1' 2Q2.)' I:7./2.' 1% / (2' ; 1/2' 82)139' / (2' ?15f 573;:(32' 2MH24/7/(135' 1% /02' H21H 2X (%' /02.2' 82' 7' ?73' 1% @01?' /02' 1:52' 1% 1:.813' 5/7395' ?1.2' H7./(J 4:7.)' (3' 7@2X (%' /02.2' 82' 7' ?73' (3' /0(5' 41:3/.)' @01' :3(/25' /02' 413%(92342' 1% 3;739' 739' ?2.(47' (5' 31f 02' /02' H.1H2.' H2.513' /1' /.27f @(/0' ?2.(4735' 739' 31f /0152(' @01' 07Q2' :3(%1.?)' 9242(Q29' 739' 1HH.2552 9' /02?'c' 02.2' (5' 31f 132' H.2523f @01' (5B(;31.73f 1% /02' H2.513' /1' @01?' ' 7 :92' 1:' 7 ' >31@' ' ?273' 7' 318 2' 739' 327.' .2 7/(13 1.9' 07/07?0F

7.325/)' 739' 1:9)' 01@2Q2.' 75' /02' 41:3/.)' 47 29' %1.' /02' 52.Q(425' 1% 1.9' 07/07?' (f @75' 7' 92?739' @0(40' /02' (3;' @75' 92/2.?(329' :H13' .25(5/(:;' /1' /02' 75/' 1f /07/' 13' /02' 7 R(?H1./73f 5:8G24f 1% ?2.(47' /02.2' 2M(5/29' 7f /0(5' /(?2'73)' ?7/2.(7' 9(%%2.2342' 82/@223' 0(5' (2@5' 739' /0152' 1% /02' 7.' 02' (3;' 079' 75523/29' /1' 2Q2.)' 413J 4((7/1.)' ?275:.2' 79Q147/29' 8)' /02' 7//2.' 02)' @2.2' ?:/:7)' 73M(1:5' /1' H.2Q23f /02' %:./02.' 2%%:5(13' 1% 8 119' 739' 75/)' 739' :307HH()' /02)' @2.2' 52Q2.7)' 1% 1H(3(13' /07f /02' .:(3' 1% .27f .(/7(3' ?:5f 82' /02' 3242557.)' 413J 52I:2342' 1% ?2.(473' 392H2392342' Q23' 13' 7' ?15f 4.(/(47' H1(3f @0(40' @75' 5:852I:23/)' :.;29' 8)' /02' HH15(J /(13' /02' (??29(7/2.247' 1%/02' .(/(50' 7.?)' %.1?' ?2.(47' < /02' (3;' @1: 9' 7HH7.23/)' 31f 07Q2' 8223' %1:39' :3.27513J 78 2' 2%2..(3;' /1' /02' 7HH.1740(3;' @7.' @(/0' .7342' @2' %(39' 0(?' @.(/(3;' /1' 1.9' 1./0 < N' 01: 9' /07f 07HH23' (f 73' L(' ?(;0f 82' @(52' /1' @(/09.7@' /02' /.11H5' %.1?' /02' .2Q1 /29' -.1Q(3425' 739' 07Q(3;' 5/.23;/02329' 73797' n4' /1' ?7>2' @7.' 13' /02' .2340' 739' H73(50' 5 7395' :44255' (3' /07f 18G24f @(' .2H7)' 1:.' 2M2./(135 OT' -R (5F /1' 1/02.' 47:525' /023 < /1' /02' 2M(5/2342' 1% H2.5137' 9(5 (>2' 13' /02' H7./f 1% /02' (3;' 739' 1% @7)@7.93255' 739' 7..1;7342' 13' /02' H7./

EF' -7.(' (5/ ' Q1(' M(M' 41 ' $+L
']' 1.9' .1:;07?=5' /7/25?23' 1% /02' (?2' 1% 21.;2' L' Q1(' ' H' !*S' 9(/(13X
!"V"' E y

1%' / 2' 5H1(29' 7. ' /07/' @2' 7.2' /1' 7//.(8:/2' /02' (3;=5' H2.5(5/23/' .2%:57 5' /1' H 742' 7/' /02' 0279' 1%' 0(5' 41:34(5' /02' ?15/' (?H2.(1:5' 1%' 0(5' 5:8G24/5' /' @75' 13)' (3' /02' H.1Q(342' 1%' 7' (4/7/1.' 75' /02' (3;' @2 ' >32@' /07/' 1.9' 07/07?' @1: 9' 7442H/' 1%%(42' 739' 75' 7' (4/7/1.' /02' (3;' @75' .251 Q29' 31/' /1' 79?(/' 0(?' (3/1' /02' .1)7' 4 152/' 2' 079' 31' @(50' (39229' (3' 7' 527513' 1%' ;.27/' 2?2.;234)' /1' 92H.(Q2' 2(/02.' 0(?52 %' 1.' 0(5' 5:8G24/5' 1%' /02' 8232%(/' 1%' 1.9' 07/07?=5' @(591?' 739' 2MH2.(2342' 739' 7441.9(3;)' 02' 079' 7:/01.(629' 1Q2./:.25' 82(3;' H.(JQ7/2)' ?792' /1' /02' 7.' 1%%2.(3;' 0(?' 0(;0' 1%%(42' 8:/' 13)' 13' /02' 4139(/(13' 1%' 0(5' G1(3(3;' 739' 5/.23;/023(3;' /02' H.2523/' 9?(3(5/.7/(13' 1' 74I:(2542' (3' 7442H/(3;' 75' 0(5' /).73/' 739' ?75/2.' /02' ?73' @01?' /1' :52' 0(5' 1@x' 2MH.255(Q2' H0.752' 02' .2;7.929' 75' N 7' /.:?H2/' 1%' 529(/(13' 0' 739' /1' @0152' 2 1I:23/' 2M01./7/(135' 739' 79Q(42' (3' 739' 1:/' 1%' -7.(7?23/' 02' ?7(3)' 739' 31/' :3.2751378)' 7//.(8:/29' /02' .2Q1 /' 1%' /02' ?2.(4735' 7;7(35/' 0(5' 4.1@3<P/1 92 (Q2.' 0(?52 %' :H' 81:39' 0739' 739' %11/' /1' /02' (39(Q(9:7' @01' 079' 51' .2423/)' 739' (3' 51' H1(3/29' 7' ?7332.' ?7.>29' 0(5' 9(57HH.1Q7' 1%' 0(5' 1Q2.2(;3=5' 4139:4/' 75' /1' @(/09.7@' 0(5' 513' 1.9' -(//' %.1?' 0(5' ?((/7.)' 52.Q(42F</1' ;(Q2' 0(5' 413%(92342' /1' 132' @0152'

F' 103' (541:3/' -(//' 7%/2.@7.95' 524139' 7.' 1%' 07/(7?' 23/2.29' /02' .?)' 75' 35(;3' 1%' /02 S$/0' 2;(?23/' 7.40' '!$$S' 739' .25(;329' 0(5' 41?(55(13' 75' 5:40' 7.40' !+' !$$#' 7/' @0(40'/(?2' 02' @75' 52.Q(3;' 75' 7(92R92R47?H' /1' 7G1.' 232.7' 7.2/13' (3' 73797' N 1:' @(' /2 ')1:.52 %' @.(/25' 79)' 07/07?' /1' 232.7' 7.2/13' 28.:7.)' !S' !$$#' N @(/0' @07/' 41342.3' 02' s 1.9' 07/07?' 41?? :3(47/25' /1')1:' 7' 5/2H' /07/' %.1?' 0(5' %(M29' 1H(3(13' @(/0' .2;7.9' /1' /02' 413/(3:7342' 1%' /02' :307HH)' @7.' @(/0' 1:.' %2 1@R5:8G24/5' 1%' ?2.(47' 02' 075' %1:39' (/' 3242557.)' /1' /7>2' /' (5' /07/' 1%' @(/09.7@(3;' 0(5' 513' %.1?' 5:40' 7' 52.Q(42 0' 4' #' Q1' (Q' H' S+*' N %'0<.:3' /02' (35/.:4/(135' %.1?' 13;.255' /1' 1 132' .31 9' 97/29' 2H/2?82.' U!S' NN <N 1.9' 07/07?=5' 513' 501: 9' 82' (3' 73797 739' (3' 73)' @7)' 501: 9' %7' (3')1:.' H1@2.')1:' 7.2' 23G1(329' /1' /.27/' 0(?' @(/0' 7' H155(8 2' 92%2.2342' 739' .25H24/' 1:' 47331/' 2..' (3' H7)(3;' /11' ?:40' 0131:.' /1' /02' 513' 1%' 51' (:5/.(1:5' 7' 407.74/2.' 739' 51' /.:2' 7' %.(239' /1' ?2.(47 0' - ' - ' 5,'+ * ' Q1' (((' HH' "" ' ,*' 02' %74/' 1%' 1:.' %(39(3;' 1.9' -(//' 13' 132' 14475(13' N @(/0(3' 7' I:7./2.' 1%' 73' 01:.' 1%' %7 (3;' (3/1' /02' 07395' 1%' 132' 2.2?(70' :;;73<%1.?2.)' 7' 87.82.' 8:/' /023' 7' P1.' (3' /02' -.1Q(34(7 5'0<501@5' 01@' Q2.)' 327.)' /02' (35/.:4/(135' /1' 1 132' .31 9' @2.2' H.1Q(3;' 1%' :52' /1' 0(?' > # I ' Q1' MQ(((' H' $#$' 31/02.' 1%%(42.' 1%' .73>' @01' .25(;329' 0(5' 41?? (55(13' 7/' /0(5' /(?2' .7/02.' /073' 52(' 7;7(35/' /02' ?2.(4735

5/7/:2 5/(5/119 (3 /02 5/.22/5 1% /02 ?2.(473 /1@35R 739 @0152 H1./.7(/ 5/(0:3;%.1?/02 @7 5 1% 07 % /02 H.(Q7/2 9@2 (3;R01:525 (3 /07/ 41:3/.) < @75 .2;7.929 8)/02 (3; @02/02.G:5/(%(78)1.31/75 7 0:?((7/(13/1@0(40 0(5 5:8J G24/5 079 31 .(;0/ /1 2MH24/ 0(?/1 5:8?(/ Ü 1.21Q2. (/ @75 2Q(923/)/02 1H(3(13 1%/02 (3;75 (/ @75 7 51 /07/ 1% :3(:5 /07/ H7./)(3/2.25/5 (% 31/ %74/(13 079 ?:40 /1 91 @(/0 1.9 07/07?=5 13;B739 2 1I:23/ 79Q1474)1% ?2J .(473 .(;0/5 :9(3;/1 21.;2 .23Q(2 739 0(5 /7?H 4/ :3(:5 @.(/25 (3 !$#, < N 3%1./:37/2)%1.0(5 41:3/.) R .23Q(2 @75 7/ 73)/.7/2 /1 82 9(5/.25529 8247:52 02 @75 (3(5/2. 739 0(. -(// 739 1.9 7?923 @2.2 /1 82 /02 H7/.135 1% ?2.(47 8247:52 /02)@2.2 (3 HH15(/(13 02(.924 7.7/(13 ;7Q2 5H(.(/ 739 7.;:?23/ /1 /02 1 13(25 739 @0(2 H2.07H5 /02)?273/ 31 ?1.2 /073 7 .:(3 1% 7 (3(5/2. /02)(3 2%%24/ 9(Q(929 132 07 % 1% /02 ?H(.2 %.1?/02 1/02. 0 F

02 (3;(3 /02 ?273 /(?2<1@(3;/1 1.9 1./0=5 .2H27/29 23/.27/(25 /1 82 7 1@29 /1 .2/(.2 %.1?1%%(42 739 0(5 4135/73/ %27.1% 07Q(3; 1.9 07/07?%1.429 :H13 0(? 7;7(35/ 0(5 @(<P079 5:%%2.29 /02 ;.27/25/ 73M(2/)1% ?(39 /(01@2Q2. 02 4:3; /1 /02 82 (2% /07/ 0(5

E@75 0:?75 /00R9 7.1% %%(3;07?& 4 ! $$#HH S+SL /0(.9 1%%(42.1% .73>@01 2MH.25529 0(?52 % N.279)/1 91 0(5 9:/) 8:/ @ &4) [@75 9?(.7 7%/2.@7.95 (541:3/ 2HH2 8 E0 0 8 Q1 (H +1@%7.?((/7.)739 37Q7 1%%(42.5 7?G:5/(%(29 (3 @(/001 9(3; /02(.52.Q(42 5 8247:52 /02(.H.(Q7/2 1H(3(135 13 H:8 (4 ?7//2.5 9(%%2.%.1?/0152 1% 1Q2.3?23/ /0(5 (5 31/ /02 H 742 /1 9(54:55 5 .2;7.95 01@2Q2. 1.9 07/07?H2.5137) /02 0(;0 7:/01.(/)1% 0(5 2M7?H 2 @75 18Q(1:5)47 4: 7/29 /1 (3%:52 73 (392H23923/ (% 31/ (35:81.9(37/2 2 2?23/ (3/1 /02 37Q7 739 ?((/7.)H.1%255(135 X /1 73(?7/2 /02 ?2.(4735 (3 /02(.2%%1./5 /1 507>2 1%% /02(.92H239234) :H13 /02 .(/(50 4.1@3 739 75/) 8) 0(5 51 H:8 (4)79?(3(5/2.(3;7 .28:>2 /1 /02 (3;=5 1Q2.3?23/ /1 8.(3;(/ (3/1 413/2?H/ @(/0 0(5 5:8G24/5 % 1.9 07/07?=5 18G24J /(135 /1 0(5 513 52.Q(3;7;7(35/ /02 ?2.(4735 @2.2 I:(/2 (35:.?1:3/78 2 5:.2) /02.2 @2.2 1/02. .2;(?23/5 739 1/02. H7./5 1% /02 @1.9 /1 @0(40 02 ?(;0/ 07Q2 18/7(329 0(5 .2?1Q7 (35/279 1% 2 24/(3;/02 1%%235(Q2 7 /2.37/(Q2 1% @(/09.7@(3;0(?7 /1;2/02.%.1?/02 52.Q(42 1% 0(5 1Q2.2(;3 392.7 /02 4(.4:?5/73425 /023 (/ 522?5 /1 82 (// 2 /1 82 @1392.29 7/ /07/ /02 (3;501:9 07Q2 8223 ;.27/)(3423529 7;7(35/ 51 755:?(3;739 .2%.74/1.) 7 5:8G24/

F 2//2./H /02 .(3/2./1% /02 -:8 (4 9Q2./(52./97/29 73:7.)+1 !$#,

%7Q1:./2 (3(5/2.@1:9 32Q2.9252./ 0(?(3 0(5 01:.1% 3229 N 501:9 07Q2 8223;./7/)5:.H.(529 0 02@./25 /1 1.9 1./0 13/02 L!5/1% 73:7.) N7/ /02 (34 (37/(13 2MH.25529 8)) 1:/1 .2/(.2 079 31/>31@3 /07/ 01@2Q2.) 1:?7) 31@ 739 /023 925H139)2/ /07/)1:07Q2 /11 ?:40 H2.5137 7%%24/(13 %1.?2 739 52352 1%0131:./1 7 1@ 5:40 7 /01:;0/ /1 /7>2 73) 01 9 13)1:.?(39 0 F (//2.) /02 (3;.247 29 /02 97)5 @023 02 079 8223 41?H2 29 /1 5:8?(/ /1 /02 (.13 739 (351 23/.:2 1% 21.;2 .23Q(2 U739 5235(/(Q2) 0(5 0(;0 5H(.(/ 50.73> %.1?82(3;5:8G24/29 /1 /02 57?2/.27/?23/:392./02 /).733) 1% 07/07?1 1.9 1./0 02 @.(/25 781:/ /02 ?(99 2 1% 7.40<N 924 7.2 (3 /02 5/.13;25/ 739 ?15/ 51 2?3 ?7332./07/ 91 31/ 18G24/ /1)1:.799.255(3;)1:.52 %/1 1.9 07/07?)2/)1:?:5/ 74I:7(3/ 0(?/07/ 507 32Q2.799.255 ?)52 %/1 0(?8:/ /0.1:;0)1: 739 13 7 4 27.2MH 737/(13 /07/ 02 (5 /1 5/2H %1./0 /1 5:HH1./ 73 79?(3(5/.7/(13 @02.2(3)1:7.2 %(.5/ 1.9 1% /02 .275:.)X 739 /07/ 47331/ 413523/ /1 07Q2 73) 413Q2.57/(13 @(/0 0(?/(/02 (3(5/.) (5 %1.?29X /07/(% 02 41?25 (3/1 /0(5 @(75 02 5:HH1./5)1: .242(Q2 0(?@(/0 1H23 7.?5 0 3 /02 57?2 2//2./02R (3;7995<N 1 79Q73/7;2 /1 /0(5 41:3/.)31.H2.5137 R 973;2./1 ?)52 %473 ?7>2 ?2 799.255 ?)52 %/1 1.9 07/07?1./1 73) 1/02.8.7340 1% HH15(/(13 1325/) @1:9 .7/02.152 /02 .1@3 31@ @27./073 827./02 (;31?(3) 1% H155255(3;(/ :392./02(.5074> 25 ?(;0/ @.(/2 Q1:?25(% @1:9 5/7/2 /02 %22 (3;5 1% ?) ?(39 8:/ 07Q2 01325/) %7%.) 739 7%%24/(137/2) /1 9)1:/02 @01 2 1% ?) ?(39 739 @07/ @(32Q2.92H7./ %(F1?01:9 1.9 07/07?R@(50 /1 522 ?2 82%1.2 02 ;(Q25 73 735@2. 507 ?15/ 42./7(3).2%:52 (/ 07Q2 079 231:;0 1% H2.5137 32;1/(7/(13 739 32(/02.?) 9(;3(/) 31.?) %22 (3;5 @(2Q2.2/ ?2 7;7(3 5:8?(/ /1 (/ 0/

F 1.9 .1:;07?=5 /7/25?23 1%/02 (?2 1% 21.;2 L Q1 (H !*L
]' '.9 .1:;07?=5 2//2.5 1% ?(323/ 23 Q1 (HH !*"! *,

H27>(3;‘ 1%‘ 1.9‘ 07/07?‘ 75‘ N‘/07/‘ H2.%(9(1:5‘ ?73 0‘ /02‘ (3;‘ 13‘/02‘ !$/0‘ 1%‘ 7.40‘ /0:5‘ 7;7(3‘ 799.25525‘ 0(?J 52 %‘ /1‘ 1.9‘ 1./0<N‘ 1‘ 4135(92.7/(13‘(3‘ (%2‘ 507 ‘ ?7>2‘ ?2‘ 5/11H‘/1‘ HH15(/(13‘ ‘ 7?‘ 5/(‘ .279)‘/1‘ 7442H/‘ 73)‘ H7./‘ 1%‘/02?‘/07/‘@(‘41?2‘/1‘/02‘ 755(5/7342‘ 1%‘ ?)‘ H.2523/‘ 2%%(4(23/‘ (3(5/2.5‘X 8:/‘ @0(5/‘ 73)‘/23‘ ?23‘ (3‘/02‘ >(3;J 91?‘ @(‘ 5/739‘ 8)‘ ?2‘ @(‘ 31/‘ ;(Q2‘ ?)52 %‘ :H‘ (3/1‘ 81397;2‘ ‘ @(‘ .7/0W.‘ .(5>‘ ?)‘ .1@3‘/073‘ 91‘ @07/‘ ‘ /0(3>‘ H2.5137)‘ 9(5;.742%:‘ /‘ (5‘ (?H155(8 2‘/07/‘ /0W‘ U37/(13‘ 501:9‘ 31/‘ 5/739‘ 8)‘ ?2‘ %‘/02)‘@(‘31/‘/02)‘ 507 ‘ 07Q2‘ 731/02.‘ (3;‘ %1.‘ ‘ 32Q2.‘@(‘H:/‘?)‘ 0739‘/1‘@07/‘ @(‘ ?7>2‘ ?2‘ ?(52.78 2‘/1‘/02‘ 75/‘ 01:.‘ 1%‘ ?)‘ (%2 0‘ F‘ 0W‘ %74/‘ (5‘/07/‘/02‘ (3;=5%22 (3;5‘/1@7.95‘ 1.9‘ 07/07?‘7/‘/0(5‘ /(?2‘@2.2‘ 31/‘?2.2)‘/0152‘ 1%‘ 1.9(37.)‘ 9(5 (>2‘ 8:/‘ 7?1:3/29‘ 7 ?15/‘/1‘ H15(/(Q2‘ 7Q2.5(13‘ 1.‘(35/7342‘/02.2‘(5‘ 51?2/0(3;‘ 7 ?15/‘ 57Q7;2‘ (3‘/02‘ 73;:7;2‘(3‘@0(40‘(3‘/02‘ %1 1@(3;‘ 2//2.‘/1‘ 1.9‘ 1./0‘/02‘ (3;‘ .2%2.5‘/1‘/02‘ (:5/.(1:5‘ 5/7/25?73‘ N‘ 02‘ ?7>(3;‘ 1.9‘ 07/07?=5‘ %7?( )‘ 5:%%2.‘ %1.‘/02‘ 4139:4/‘ 1%‘/023‘ %7/02.‘(5‘ 31/‘(3‘/02‘ 275/‘ 7;.2278 2‘ /1‘ ?)‘ 523/(?23/5‘ :/‘ ‘ 501:9‘ 401152‘/1‘ >31@‘ 0(?‘ /1‘ 82‘/1/7)‘ :378 2‘/1‘ 7HH27.‘ 13‘/02‘ H:8 (4‘ 5/7;2‘ 82%1.2‘ ‘ 7;.22‘/1‘ 73)‘ 1%%2.‘ 1%‘/07/‘ >?9‘ 25/‘(/‘ 501:9‘ 82‘ @(R13;)‘ 4135/.:29‘/1‘ %27.‘ 1%‘ 0(?‘X 739‘(39229‘ 0(5‘ H1(J /(47‘ 4139:4/‘/02‘ 75/‘@(3/2.‘@75‘ 51‘ 787391329‘/07/‘ 02‘ ?:5/‘(3‘/02‘ 2)25‘ 1%‘/02‘ 9(5H755(137/2‘ 07Q2‘/1/7)‘ :39132‘ 7 ‘/02‘ ?2.(/‘ 1%‘ 0(5‘ %1.?2.‘ 4139:4/‘ 5‘/1‘ 73)‘;.7/(/:92‘/1‘ 82‘ 2MH24/29‘ %.1?‘ 0(?‘ 1.‘ 0(5‘ %7?( )‘/02‘ @01 2‘/231.‘ 1%‘ /02(.‘ (Q25‘ 075‘ 501@3‘/02?‘ Q1(9‘ 1%‘/07/‘ ?15/‘ 0131:.78 2‘ 523/(?23/‘ :/‘ @023‘ 924.2H(/:92‘ 1.P927/0‘ H:/5‘ 73‘ 239‘/1‘ 0(?‘ 75‘ 7‘/.:?H2/‘ 1%‘ 529(/(13‘ ‘ 507 ‘ ?7>2‘ 31‘ 9(%%(4:/)‘(3‘ H 74(3;‘/02‘ 524139‘ 513=5‘ 37?2‘(35/279‘ 1%‘/02‘ %7/02.=5‘ 739‘ ?7>(3;‘ :H‘/02‘ H235(13‘/0.22‘/01:5739‘ H1:395 0‘ %

F‘ MY.9‘ .1:;07?=5‘ /7/25?23‘ 1%‘/(2‘ (?2‘ 1%‘ 21.;2‘ L‘ Q1(‘(‘H‘!!*‘ /‘ ‘H‘,*

2H.20235(8 2 75 /0(5 73; : 7; 2 755: .29)(5 @2 ? :5/ 13 /02 1/02.0739 /7>2 (3/1 7441 :3 /02 /.27/?23 @0(40 /02 (3;079 ?2 @(/0 7 /02 07395 1%0(5 @7)@7.9 739 :3?7R 37;278 2 5:8G24/ -:.2 75 @75 /02 H7/.(1/(5?1% /0(5 ;.27 ?73X 2?(323 75 @2.2 0(5 78((/(25 739 5H 239(9 75 @75 0(5 2 1I:2342 02 @75 32Q2./02 255 31 @(/01: 0(5 %7: /5 739 7?13;/0152 %7: /5 ?:5 82 3:?82.29 0(5 13;R413J /(3:29 739 7?15 .7341.1:5 Q(/:H2.7/(135 1% 0(5 .1)7 ?75/2. 2 (82 .2??2?82.29 /07 /1 21.;2 /02 0(.9 02 @75 (3928/29 %1. 0(5 27. 91?739 0(5 H235(13X /07 /02 (3; (3 %1.?2. 97)5 079 .2H27/29)H7(9 /0W ?15 % 7/J /2.(3; /.(8:/25 /1 0(5 ;23(:5X /07 9:.(3; /02 7.=5 75 9?(3(5/.7/(13 0(5 1Q2.2(;3 079 2M74/29 31 4139(/(135 %.1?0(?079 7 1@29 0(?/1 52 24 0(5 1@3 41 27;:25 739 079 5:HH1./29 0(?@(/0 /02 @01 2 @2(;0 1% /02 .1)7 7:/01.(/) :.(3; /02 ?)5/2.(1:5 ?7 79) @0(40 %1. /@23/)?13/05 (3 /02)27.5 !$#$ 739 !$#" 079 H.15J /.7/29 /02 ;.27 ?(39 1% 07/07?/02 (3;079 :341?R H j(3(3;)H: :H @(/0 0(5 (3%(.?(/(25X 02 079 73M(1:5)739 H7/(23/)@7(/29 %1.0(5 .25/1.7/(13 /1 027 /0 X 02 079 7 1@29 0(?B/1 9.7@ /02 5H 239(9 57 7.)7//74029 /1 0(5 1%% 42 @(/01: 9(5407.;(3; 73)132 1% (/5 9:/(25X 739 (3 %74/9:.(3; /@1)27.5 079 /.27/29 0(?@(/0 7 >(393255 739 7 4135(92.7/(13 %1. @0(40 31 7?1:3 1% ;.7/(/:92 41: 9 07Q2 8223 /11 7?H 2 39)2 7 /0(5 ;1193255 079 8223 .2H7(9 8) /02 7. 31 13)@(/0 H2.5(5/23 739 1%/23 %74/(1:5 1HH15(/(13 8: 8) 52(6(3; 2Q2.) 1HH1./:3(/) 1% ?7(;3(3; 0(5 1Q2.2(;3X 8) 744:5(3; 0(?(3 /02 1:52 1% 1.95 739 /1 /02 .(/(50 37/(13 1% ?7>(3; 7 %7.42 1% /02 (82./(25 1% 0(5 5:8G24/5X 8) 407.;(3; 0(?@(/0 92 (82.7/2 /.27402.)/1@7.95 0(?52 % 739 @(/0 82(3; 7 5 7Q2 /1 7 8752 :34135/(/:/(137 (3% :2342 820(39 0(5 /0.132 Q23 /02 %7(. %7?2 1% /02 (3;=5 ?1/02.079 31 2547H29 /02 4.:2 (3:23915 1% /02 2?8(//2.29 5/7/25?73 1 :3G:5/(%(78 2 (3J 9229 079 8223 0(5 7//74>5 (3 /02 1:52 1% 1.95 /07 31 13)

079 ?1.2 /073 132 -22.' 14475(137)' 47 29 0(?' /1' 1.92.XF_' 0:/ /02 :>2 1% .7%/13' 13 132 14475(13' @23/ 51' %7.' 75 /1' /2 ' 0(?' /1' 0(5 %742' /07/ 0(5 @1.95 @2.2 /02 2%%24/ 1% N 7 9(5/2?H2.29 ?(39 8.119(3;' 1Q2.' (/5 1@3 9(5413/23/5 0 %'
3 /02 ?273 /(?2' 1.9 07/07?=5 735@2.' /1' /02 1Q2.J /:.25 @0(40 079 8223 ?792 0(?' 079 8223 .242(Q29' 739' 75 /02 (3;' 079 73/(4(H7/29' H.1Q29 /1' 82 (3/1 2.78)' 2M1.R'' 8(/73/' 02 (3;' /1' :52 0(5 1@3 @1.95' @75 N 0(;0)' (3423529 0 1' 1.9 1./0 02 @.(/25 < N ' 7?' %7(.)' @1.3 91@3X 0 8:/' 02 7995' N ' @(' 31/ 4073;2 /02 9?(3(5/.7J /(13 0 2Q2./02 255 /02F (3;' 5:852I:23/)' 7 /01:;0 @(/0 31' Q2.)' ;119 ;.742' 413523/29 /1' 731/02.' 1Q2./:.2 82(3;' ?792 /1' 1.9 07/07?X /02 7;23/ 13 /0(5 14475(13 82(3;' /02 7.I:(5 1% .738)' N ' 7?' 2M/.2?2)' (39(%%2.23/ 0(@.(/25 /02 (3;' /1' 1.9 1./0' N @02/02.' 1.9 .738)' 7. □□' ;125' 1.' 9125 31/ ;1' @(/0 /02 78624/ ?2557;2 1% /02 14>J (3;07?' H7./)' /1' 7)25' ' @(' 42./7(3)' 5239 3132 /1' /07/ H 742 0T' % /0(5 524139 32;1/(7/(13 (// 2 7HH27.5 /1' 82 >31@3 8:/ /07/ (/ H.1Q29 /1' 82 7 5(;37' %7(:.2' 739 /07/GB /1' /02 (3;=5 (34.27529 9(5/.255' (/ 29 /1' %.250 23/.27/(25 13 /02 H7./ 1% 1.9 1./0 /1' 82 .2 27529 %.1?' /02' H7(3%:' .25H135(8((/(25 @0(40 7//74029 /1' 0(5 H.2523/ /23:.2 1% 1%n42 N)' 927.' 1.9 0 /02 (3;' @.(/25 /1' 0(?' 7 ?15/ H7/02/(R 7. □□' 47)' N)1:.' 31@ 7 @7)5 .24:..(3;' /1' 7 /1/7' 4073;2 1% /02' 9?(3(5/.7/(13 18 (;25 ?2 /1' 75>)1:' 132 4 27.' I:25/(13 %' ' @(' 31/' 8)')1:.' 79Q(42' /7>2 /02' 5/2H @0(40 ' 11>' 13 75 9(5;.742%:' /1' ?)52 %' 739 925/.:4/(13 /1' ?)' 41:3/.)' 739' %7?()' 7.2)1:' .251 Q29' 7;.2278 2 /1' /02 2M7?H 2 1% /02 R :>2 1% .7%/13' 7/ /02 01:.' 1% 973;2.' /1' 9252./ ? 2cOT 02 .2H)' 1% /02 ;119R37/:.29 (3(5/2.' 075 31/ 8223 H.2PR' 52.Q29' 8:/' 7/ 7 ' 2Q23/5' (/ 522?5 /1' 07Q2 57/(5%(29 /02 ?(39

F -7.(' (5/' Q1 ' MQ(' 41 ' "S+' 22' 25H24(7)' /02 9287/25 (3 /02 1:52 1% 1.95 1% /02 +39 1% 7.40 739 !5/ 1% 7)' !$$*' 739 074>2.7)=5 (%2 1% 07/07?R Q1 ' ((' HH' !$,' n4 ' 739 H' !,* /' 1.9 .1:;07?=5 /7/25?23 1%/02 (?2 1% 21.;2 L' Q1 ' (' H' (' '5 #' H' !!+' 22 73/2' Q1 ' !' H' S$"' n4

1%0(5 .1)7 ? h5/2. N 47331/ 0 .2H (25 /02 (3; N .2/: .3 /02 ?25523;2. @(/01:/ 2MH.255(3; ?)57/(5%74/(13 7/)1:. 92/2. ?(37/(13 31/ /1 9252./ 7/ /0(5 R?1?23/ @0(40 (39229 7 @7)5 /01:;0/)1:. 52352 1%0131:. ? :5/ H.2Q23/ 0F R 02.2 @2.2 H2.07H5 31/@1 ?23 (3 3; 739 @01 @023 /02) 079 1342 2(5:.2) 739 ?7/:.2) ?792 :H /02(. ?(395 13 7 H7./(4: 7. 5:8G24/ :5:7)4 :3; ?1.2 H2./(374(1:5)/1 /02(. 1H(3(135 /073 21.;2 /02 0(.9 739 1.9 07/07? 3 /02 H.2523/ 14475(13 /02 7. @75 .251 Q29 /1 .2%:52 1%%(42 :3 255 (3Q25/29 @(/0 %(P H1@2.5 @0(2 /02 (3; 13 0(5 H7./ @75 31 255 91;;29) 92/2. ?(329 /1 ?7>2 2Q2.) 574.(%(42 .7/02. /073 H 742 7/ /02 0279 1% 0(5 41:34(5 /02 ?73 @01 079 51 1%/23 7//2?H/29 /1 92;.792 0(?(3 /02 2)25 1% 0(5 5:8G24/5 739 @01? (3 0(5 H1 (/(47 47H74(/) 02 .2;7.929 75 7 ?(540(2Q1:5 %(.28.739 2./7(3) 7/ 51 ?1?23/1:5 7 4.(5(5 81/0 51Q2.2(;3 739 5:8G24/ 1:;0/ /1 07Q2 9(547.929 2Q2.) 52 %(50 4135(92.7/(13 D 0(40 1% /02 /@1 / [23 ?7) @2 82 75>29 501: 9 07Q2 8223 /02 %(.5/ /1)(2 9 D 0(40 1% /02 /@1 @75 ?1.2 /1 82 8 7?29 %1. /02(. .24:5734) < P/02 (3; 1. 1.9 07/07? 3I:25/(1378 @2 /0(3> /02 (3; -7(3%: 75 (/ 91:8/ 255 @1: 9 07Q2 8223 /1 0(?/1 %(39 0(?52 % 7 H:HH2/ (3 /02 07395 1% 0(5 (?H2.(1:5 52.Q73/ 739 /1 82 41?H2 29 /1 :52 0(5 1@3 @1.95 N /1 1H23 /02 .179 /1 7 52/ 1% ?23 @01 42./7(3) @1: 9 ?7>2 0(?7 5 7Q2 %1./02 .2?7(392. 1% 0(5 97)5 0 %(/ @75 32Q2./02 255 0(5 81:3923 9:/) @2 (?7;(32 /1 07Q2 41?H (29 @(/0 /02 =7 ?15/ :3(Q2.57 92?7395 739 @(5025 1% 0(5 5:8G24/5 % 1.9 07/07? 13 /02 1/02. 0739 (/ 075 8223 57(9 /07/ 02 /11 7/5:40 7 527513 1%37/(137 9(%%(4: /) @75 81:39 /1 ?7>2 2Q2.) 574.(%(42 /1 9:/) 739 /07/ (3 @07/2Q2. 47H74(/) 0(5 52.Q(425 ?(;0/ 82 .2751378) .2I:(.29 02 @75 :392. /02 ?1.7 18(;7/(13 1% H 74(3; /02?7/ /02 9(5H157 1% 0(5 (3; 739 41:3/.) :/ 91:8/ 255 1.9 07/07? 7.;:29 /07/

F 1.9 .1:;07?=5 /7/25?23 1%/02 (?2 1% 21.;2 L &(H + / H !!*

32(/02.' @(/0= 4.29(/B G1' 0(?52 % 31.' @(/0' 79Q73/7;2' /1' 0(5' 41:3/.)' 41: 9' 02' 5(/' (3' /02' 57?2' 78(32/' @(/0' 7' 5/7/25?73' %.1?' @0152' H1 (4)' 02' 079' 7 ?15/' (3Q7.(78)' 9(%%2.29' @0152' 78((/(25' 739' H.2/235(135' 75' 7' (3(5/2.' 02' 079' 8223' (3' /02' 078(/' 1%/.27/(3;'@(/0' /02' H.1%1:3925/' 413/2?H/' 739' @0152' 37?2' @75' 7' 92/25/29' 132' 74.155' /02' /73/(4' 5' /02' 41 J 27;:2' 1% 1.9' 1./0 R 02' 41:9' 547.42)' 2MH24/' /1' 2547H2' 507.(3;' /02' :3H1H:7.(/)' 1%' /07/' 318 2?73' 1.' (34:?3;' /02' ?(5/.:5/' 1%/02' ?2.(473' H21H 2' X @02.275' 23927.29' 75' 02' % 7//2.29' 0(?52 % 02' @75' /1' /02?' 02' 91:8/ 255' (?7;(329' /07/' 75' (.5/' (3(5/2.' 1%/02' .1R@3'3 39' Q25/29' @(/0' %: ' H1@2.5' 02' ?(;0/')2/' 82' 2378 29' /1' .25/1.2' H2742' 739' 7?(/)' 82/@223' .27/' .(/7(3' 739' 02.' 1 13(25' 739' /1' H.252.Q2' /02' (3/2;.(/)' 1%/02' ?H(.2

02' (3;' 75' @2' 07Q2' 5223' 079' 079' 731/02.' 37..1@' 2547H2' %.1?' 8241?(3;' 7' H.(5132.' (3' /02' 07395' 1%/02' ;.27/' D 0(;' 1.95X (39229' 8:/' %1.' 73' 2Q23/' 1Q2.' @0(40' (3;5' 739' (3(5/2.5' 2M2.4(52' 31' 413/.1' 1(=9' 07/07?' GQ1:9' H.1878)' 07Q2' 8223' %1.429' :H13' 0(?' 8)' /02' 37/(13' .279)' 079' 27/0' 7(9' 0(5' 0739' 13' /07/' (:5/.(1:5' 5/7/25?73' 2' 079' 8223' %1.' 51?2'/(?2' H75/' 413%(329' /1' 0(5' 5(4>' 407?82.' 7/' 7)25' 5:%%2.(3;' %.1?' ;1:/' 739' 23%228 29' (3' ?(39' 75' @2 ' 75' 819)' @023' (/' @75' 5(;3(%(29' /1' 0(?' /07/' /02' :>2' 1% (40R' ?139' @75' 781:/' /1' ;(Q2' 31/(42' (3' /02' 1:52' 1% 1.95' 1%' 0(5' (3/23/(13' /1' ?1Q2' 73' 99.255' /1' /02' 0.132' .241??239J (3;' /02' @(/09.7@7' 1%' 0(5' 7G25/)=5' 7.?(25' 739' % 22/5' %.1?' ?2.(47' 739' /02' 2?H 1)?23/' 1%' 31' 1/02.' /073' H:.2)' 7?(R' 478 2' ?275:.25' (3' 73)' %:/:.2' 7//2?H/5' /1' .241Q2.' /02' %.(239J 50(H' 1%/02' .2Q1 /29' -.1Q(3425' 5' /0(5' H.1H15/(13' /01:;0' 51?2@07/' 7?8(;:1:5)' @1.929' @75' 2Q(923/)' ?273/' 75' H.2 (?(37.)' /1' 7' %:/:.2' .241??2397/(13' /1' .241;3(52' /02(.' 392H2392342' (/' (3% (4/29' 75' ?(;0/' 82' 2MH24/29' 7' 8(//2.' H73;' 13' /02' 027./' 1%' 07/07?' 2' 1Q29' 0(5' 41:3/.)' 739' 02' 1Q29' 02.' 31/' /02' 255' /07/' (/' 079' 8223' %1.?2.)' , ' 0739' .0(40' 079' .7(529' 02.'%.1?' 02.'%7 23' 5/7/2X /07/' (/' 079' 8223

G ' ;23(:5 @ ((4 (' 079 .2392.29 02.' ; 1.(1:5 7?13;' /02 37/(135 1% /02 27./0' 739 /07/' /1' /02 239 1% /(?2' 0(5 37?2 @1: 9 H.1878)' 82 75514(7/29 @(/0 ?73)' 1% /02 H.1:925/ 1% 02.' /.(:?H05' 1@' /02.2%1.2' @023 0(5 (?7;(37/(13 8202 9 02.' (3 7 5/7/2 1%(?H239(3;' . :(3 31@' @023 (/ @75 H.1H1529 /1' 02.' /1' 5:..2392.' :H 02.' 41 13(25 < 31/ 13 /02 541.2 1% G:5/(42 739 51:39 H1 (4)' 8:/ 31/1.(1:5)' 13 7441:3/ 1% .2423/ ?((/7.)' 9(575/2.'739 /02 9.279 1% /02 (3/2.%2.2342 1% .7342 739 H7(3 < 0(5 ;.27/ 027./ .282 29 7;7(35/ 51' 0:?((7/(3;' 7 413%255(13 1% @27>3255 ;1(3;'%1./0 /8 2M: /(3;' :.1H2' 739 41352I:23/)' 02 .251 Q29 < 51' 13;' 75 8.27/0' 5/.23;/0' 739 .27513 ?(;0/ 82 5H7.29 0(?< /1 .7(52 0(5 Q1(42 (3 %7Q1:.' 1% @7.' /1' /02 >3(%2 @(/0 0(5 1 9 739 92/25/29 73/7;13(5/' /02 1:52 1% 1:.813' :.3(3;' 7 927% 27.' 31/ 13)' /1' /02 .2?135/.73425 1% 0(5 H0)5(4(735 F 8:/ /1' /02 7% %2H/(137/2 23/.27/(25 1% 0(5 %7?()' 02 B2MH.25529 0(5 %(M29 92/2.?(37/(13'('739 %228 2 75 02 @75' 1%/7>(3;' 7 H7./(3 /02 7HH.1740(3;' 9287/2 (3 /02 1:52 1% 1.95 739 1% H.2Q23/(3;' (% H155(8 2' /02 92;.797/(13 1% 0(5 41:3/.)' (5/.255(3;' 75 (/ @75' /1' /0152 @01' 1Q29 0(?' /1' @(/3255 0(5 5/7/2 1%7;(/7/(13 75 02 @75 755(5/29 %.1?' 0(5 5(4>' 407?82.' (/ @75 H.1878)' /0(5 Q2.)' 2M4(/2?23/ @0(40 23/ 0(?' 5/.23;/0 /1' 7441?H (50 /0(5' 0(5 %(37' 739 31/ 275/ ?2?1.78 2 H:8 (4 ?(55(13 3 /02 $/0 1% H.(' !$$"' 1.9 07/07?' ?792 0(5 75/ 739 :32MH24/29 7HH27.7342 (3 /02 1:52 1% 1.95' ' .:?1:.' 1% 0(5 (3/23/(13 /1' 82 H.2523/ 079 ;1/ 78.179' 8:/ 079 ?2/ @(/0 (// 2 4.292342 _' N 1.9 07/07?0 @.(/25 1.9 7.(5 2' N(5 5:HH1529 /1' 82 (>2)' /1' 7//239 1:.' 1:52' 8:/ ' 07Q2 ?)' 91:8/5 0 %' 2 @75 7441?H73(29 /1' D 25/J ?(35/2.' 8)' 0(5 7%/2.@7.95 (:5/.(1:5 513' D((7?' -(//' /023 (3 0(5 3(32/223/0)27.' 8)' 0(5 /0(.9 513' 7)1:3;' 7Q7' 1%%(42.' @01' 9(9 31/ 13;' 5:.Q(Q2 0(?' 739 8)' 0(5 513R%/(R 7@ 1.9 7013' 8)F@01?' 02 @75 755(5/29 /1' /02 H.(Q7/2

7H7./?23/' 1%' /02' 1.9' 07342 1.' @02.2' 02' .25/29' 0(?52 %' /(' /02' 41?? 2342?23/' 1%' /02' 9287/2' N' 57@' 0(?' (3' /02' -.(342=5' 07?82.' 82%1.2' 02' @23/' (3/1' /02' 1:52 0' @.(/25' 0(5' %.(239' 1.9' 7?923' /1' /02' :>2' 1%' .7%/13' N' 739' 413Q2.529' 7' 0// 2' @(/0' 0(?'' :/' 5:40' @75' /02' %228 2' 5/7/2' 1%' 0(5' 819)' 739' (39229' /02' 9(5/2?H2.29' 7;(/7/(13' 1%' 0(5' ?(39' /07/' ' 9(9' %1.8192' /07/' 0(5' 5/.23;/0' @1: 9' 42./7(3)' %7(' 0(?' 82%1.2' 02' 079B%(3(5029' 0(5' 5H2240 OF' D 023' 1.9' 07/07?' @75' 5:852I:23/)' 5:HH1./29' (3/1' /02' 1:52' 1%' 1.95' 8)' 0(5' /@1')1:3;2.' P5135' 739' 513R(3R 7@' /02' 5H24J /74 2' 1%' 0(5' 7//23:7/29' %.=7?2' .2392.29' /02' ?1.2' 7%%24/(3;' %(.1?' 0(5' 82(3;' 7///(.29' (3' /02' ;7.8' 1%' 5(4>3255' 75' @2 ' 75' /02' .241 24/(13' 1%' /02' 5H 239(9' 52.Q(425' @0(40' 02' 079' .2392.29' /1' 0(5' 41:3/.)' 739' /02' 9)(3;' 2%%1./' @0(40' 02' @75' 2Q(923/)' ?7>(3;' (3' 02.' 47:52' H.19:429' 13' /02' ?(395' 1%' 7 ' H.2523/' ?(3; 29' 52357/(135' 1%' 5)?H7/0)' 79?(.7/(13P' 739' .25H24/' /1' @0(40' 31' 73;:7;2' H.1878)' 41: 9' 91' G:5J /(42' 1' /02' H22.5< @01' H7(9' 0(?' 73' (3Q1 :3/7.)' /.(8:/2' 1% .25H24/' 8)' .(5(3;' /1' .242(Q2' 0(?< 02' 81@29' 41:./21:5)' 75' 02' /1//2.29' /1' 0(5' 527/' (5' 9.255' @75' 1%' .(40' 8 74>' Q2 Q2/X' 0(5' 2;5' @2.2' 5@7/029' (3' % 7332 ' N 2' 11>29 =' 57(9' 132' @01' @75' H.2523/' N' (>2' 7' 9)(3;' ?73'X)2/' 32Q2.' @75' 5223' 7' %(;:.2' 1%' ?1.2' 9(;3(/)' 2' 7HH27.29' (>2' 7' 82(3;' 1%' 7' 5:H2.(1.' 5H24(25 0' (5' %742' @75' H7 2' 739' 2?74(7/29X' 51' 2?74(7/29' /07/' 82327/0' 0(5' 7.;2' @(;' 0(5' 7I:((32' 3152' 739' H232/.7/(3;' 2)2' @2.2' 327.)' 7 ' 1%' 0(5' %27/:.25' /07/' @2.2' 9(542.3(8 2'%

D 023' /02' :>2' 1%' (40?139' 079' 4134 :929' 0(5' 5H2240' 1.9' 07/07?' 5:HH1./29' 8)' 0(5' 5135' 739' 513R(3R 7@' .152' 5 1@)' 739' @(/0' 9(%%(4: /)' %.1?' 0(5' 527/' /' %(.5/' 02' 5H1>2' (3' 7' %228 2' 739' 7 ?15/' (37:9(8 2' /132' 8:/' 75' 02' ;.79:7)' @/(.?29' @(/0' 0(5' 5:8G24/' 0(5' Q1(42' 8247?2' ?1.2' 9(5/(34/' 739' 0(5' ?7332.' ?1.2' 73(?7/29' 7>(3;' 132' 0739' %.1?' 0(5

F' 1.9' 7?H82 =5' (Q25' 1%' /02' 07342 1.5' Q1 ' Q' HH' L*V<#' 9(/(13' !"S#']' 27@7.9=5' 32491/25' 1%' (5/(3;:(5029' -2.5135' Q1 ' ((' H' L"L'X V/0' 29(/(13'

4.:/4 (739.7(5(3;(/@(/0 0(52)25 (%/29/1@7.95 27Q23 02 51 2?3)/073>29 19/07/ 02 079 8223 2378 29 /1 41?2 /02.2/07/ 97)/1 H2.%1.?/ 0(5 9:/) N 7?/1 9 0 02 57(9 N 739 (3%(.?X 07Q2 132 %11/ ?1.2/073 132 %11/ (3 /02 ;.7Q2 7?/.(523 %.1?/ ?)/829/1 5/739 :H (3 /02 47:52 1% ?)/41:3/.) H2.07H5 32Q2./7;7(3/1 5H27>/(3 /0(5 1:52 07Q2 ?792 73 2%%1./7 ?15/ 82)139 ?)/5/.23;/0 /1 41?2 02.2/0(5 97)/1 2MH.255 ?)/(39(;37/(13 7/ 73 (927 @0(40 075 ;132 %1./0 1%)(2 9(3;:H ?2.(47)/1.95 .2G1(42 /07/ /02 ;.7Q2 075 31/)2/ 4 1529 :H13/?2X /07/ 7?/5/(7(Q2 /1 (%/:H ?)/Q1(42 7;7(35/ /02 9(5?2?82.J ?23/ 1% 0(5 734(23/ 739 ?15/ 318 2 ?137.40) -.25529 91@3/75 7?/P02S(739 1% (3%(.?(/) P 7?/(// 2 78 2 /1 755(5/ ?)/41:3/.)/(3 /0(5 ?15/ H2.(1:5 413G:34/:.2X 8:/?)/ H.95/@0(5/ 07Q2 52352 739 ?2?1.)/ @(32Q2./ 413J 523/ /1 92H.(Q2 /02 .1)7/ 1%%5H.(3;/ 1% /02 1:52 1% .:35R U@(4> 1% /02(./%7(.25/ (302.(/7342/ D02.2 (5 /02 ?73 /07/@(97.2 /1 79Q(52 5:40 7 ?275:.2c)/1.95/0(5 7G25/)/5:4J 422929 /1 73 2?H(.2 75 ;.27/ (3 2M/23/75 (/ @75 :35: (29 (3 .2H:/7/(13 07 /@2 /7.3(50 /02 :5/.2 1% /0(5 37/(13 8) 73 (;31?(3(1:5 5:..2392./1% (/5 .(;0/5 739 %7(.25/ H15525J 5(135c 07 /0(5 ;.27/ >(3;91?/@0(40 075 5:.Q(Q29 @01 2 739 23/(.2/02 73(50 92H.297/(135/02 41//(50 (3.1795/739 /02 1.?73 413I:25/</07/ 075 5/119 /02 /0.27/2329 (3Q75(13 1% /02 H73(50 .?797<31@/%7 H.15/.7/2 82%1.2 /02 1:52 1% 1:.813c0<N)/1.95 0 02 4134:929/N 73)/5/7/2 (5 82//2./073 925H7(./2/:5/ 7/ 275/?7>2 132 2%%1./739/(% @2 ?:5/%7 /2/:5 %7 /(>2 ?23T)/1.95/(/75 /7?/)2/75 13;/75 /473 4.7@/91@3/1/0(5 1:52/739 07Q2 5/.23;/0/1.7(52 ?)52 % 13 ?)/4.:/4025/1./(%/?)/0739/ @(/Q1/2 7;7(35/ ;(Q(3;/ :H /02 92H239234)/1% ?2.(47 13 /02 51Q2.2(;3/)/1% .P/ .(/7(3/739/(% 31/1/02./ 1.9 (5 1% 1H(3(13 @(/0 ?2/ @(/ 5(3;)/H.1/25/7;7(35/ /02 ?275:.2 0 (/ 5 13;/75 02 413R

-7./ (5/ 2M(M/41 5/!*+L/!*+#X 27@7.9=5 32491/25/Q1/((/H/""S

/(3329' 5H27>(3; ' /02' 7//23/(13' 739' .2Q2.2342' H7(9' /1' 0(?' 8)' B/02' 1:52' 7.2' 57(9' /1' 07Q2' 8223' 922H)' 7%%24/(3; ' /' @75' .2?7.>29' /07/' 2Q23' /02' %7 ' 1%' 7' 0739>2.40(2%/1' /02' ;.1:39' ?(;0/' 07Q2' 8223' 027.9

/01:;0' (3' /02' 5H(./29'739' 7%%24/(3;' H7557;2' @0(40' @2' 07Q2' I:1/29' /02.2' @75' ?:40' 1%' 1.9' 07/07?=5' 744:52' /1?29' 73(?7/(13' 1%' 73;:7;2' 739' ?7332.' (/' @75' 32Q2.J /02 255' 7HH7(B23/' /1' /0152' @01' (5/2329' /1' 0(?' /07/' 0(5' ?23/7 ' 31' 255' /073' 0(5' H0)5(47' H1@2.5' @2.2' 13' /02' 924 (32' 02.2' @2.2' H2.42H/(8 2' 73' 2Q(923/' 9(%%(4:/)' (3' .2/7(3(3;' /02' /0.279' 1%' 0(5' 7.;:?23/' .2H2/(/(135' 1%' /02' 57?2' @1.95' 739' 7' %1.;2/%: 3255' 1%' 37?25' @0(40' 2%/' 7' H7(3%:' (?H.255(13' 13' /02' ?(395' 1%' 0(5' 7:9(2342' N' (5' 5H2240' %7 /2.29 0' @.(/25' 1.9' 7?923' /1' /02' :>2' 1%' .7%/13' X< N0(5' 523/23425' 8.1>23' 739' 0(5' ?(39' 31/' ?75/2.' 1%' (/52 %' 2' ?792' 50(%/' @(/0' 9(%%(4:/)' /1' 924 7.2' 0(5' 1H(3(13' 8:/' @75' 31/' 78 2' /1' 23%1.42' (/' 8)' 7.;:?23/' (5' @1.95' @2.2' 50.295' 1%' :3413324/29' 2 1I:2342' 739' % 75025' 1%' /02' 57?2' %(.2' @0(40' 02' -.1?2/02:5R (>2' 079' 5/1 23' %.1?' 027Q23' 739' @2.2' /023' .2/:.3(3;' /1' /02' H 742' %.1?' @02342' /02)' @2.2' /7>23 0' F' 02' :>2' 1%' (40?139' 07Q(3;' .2H (29' /1' 0(?' (3' 7' %7//2.(3;<P/01:;0' (/' (5' 57(9' 73' (..(/7/(3;<5H2240 %' 1.9' 07/07?' 7;7(3' .152' (3' 51?2' 2M4(/2?23/' /1' 799.255' /02' 1:52' /' /0(5' ?1?23/' 02' @75' 5223' /1' H.255' 0(5' 0739' /1' 0(5' 027./' 739' 5/7;;2.' /' @75' (3' Q7(3' /07/' 02' 23927Q1:.29' /1' 5/739' %(.?' 79' (/' 31/' 223' %1.' /02' /(?2)' 755(5/7342' 1%' /02' :>2' 1%' :?82.J 739' 739' 1.9' 2?H2' @01' 47:;0/' 0(?' (3' /02(.' 7.?5' 02' @1:9' 07Q2' %7 23' /1' /02' ;.1:39' 1' 7' 7HH27.7342' 02' @75' (3' 7' 9)(3;' 5/7/2' 02' 1:52' @75' (3' /02' ;.27/25/' 41?7?1/(13' 02' H22.5' 4.1@929' .1:39' 0(?' X /02' @(391@5' @2.2' /0.1@3' 1H23' 739' 5/.73;2.5' @2.2' 1.92.29' /1' @(/0J 9.7@' N' 2' %2' 874>' :H13' 0(5' 527/0' 413/(3:25' 1.9

F' 1.9' 7?H82 =5' (Q25' 1%/02' 07342 1.5' Q1 ' Q' H' L*#
]' 91 H0:5=5' (5/' 1%' 3; 739' Q1 ' 0(' H' $#' ' S/0' 29(/(13
' +

7?923' ^^739' @75' /1' 7 ' 7HH27.7342' (3' /02' 7;13(25 B1%' 927/0' 0(5' /0.2@' /02' @01 2' 1:52' (3/1' 413%:5(13' Q2.)' H2.513' @75' :H13' 0(5' 2;5' (3' 7' ?1?23/' 0:..)(3;' %.1?' 132' H 742' /1' 731/02.X' 51?2' 5239(3;' %1.'R755(5/7342' 1/02.5' H.19:4(3;' 57 /5' 739' 1/02.5' .2Q(Q(3;R5H(./5X ?73)' U4.1@9(3;' 781:f /02' 7.' /1' 1852.Q2' 0(P' 41:3/237342X' 7 ' 7%%24/29X ?15f' H7.f .27)' 41342.329' X 739' 2Q23' /0152' @01' ?(;0f' 07Q2' %2 f' 7' 524.2f' H 275:.2' 7f' /02' 744(923/')2f' H:f' 13' R/02' 7HH27.7342' 1%' 9(5/.255' 2M42Hf' 13)' /02' 7.' 1%' ' @01' 57f' 5/(' 7 ?15f' 75' :3?1Q29' 75' /02' 52352 255' 819)' (/52 % 0' 07f' 1.9' @1: 9' 522?' /1'07Q2' 8223' 1.9' 07/07?=5' %1.?2.' .(Q7' 1.9' 735%(2 9 F< N 02' 54232 0' @.(/25' D7 H1 2' B' @75' Q2.)' 7%%24/(3;' (5' /@1' 5135' 739R' 513R(3R 7@' 1.9' 7013' @2.2' .1:39' 0(?' 02' 1:52' H7(9' 7' H.1H2.' ?7.>' 1%'.25H24f' 8)' 79G1:.3(3;' (35/73/) 0' %' X

.1?' /02' 54232' 1%' 0(5' ?73)' /.(:?H05' 1.9' 07/07?' @75' 47..(29' (35235(8 2' (3/1' /02' -.(342=5' 07?82.' @02.2' 02' @75' 5H229( )' 7//23929' 8)' 0(5' 1@3' H0)5(4(73' .' 99(3;J /13' .1?' 02342' 02' K@75' .2?1Q29' /1' /02' .25(92342' 1%' 132' 1%' /02' 1%%(42.5' 1%' -7.(7?23/' (3' 1B@3(3;' /.22/' @02.2' 02' .2?7(329' /(' 02' 079' 5:%%(4(23/)' .7 (29' /1' 79?(f' 1%' 0(5' 82(3;' 47..(29' /1' 7)25' (5'5/.23;/0' 01@2Q2.' 87.2)' 5:%%(429' /1' 2378 2' 0(?' /1' 5:HH1.f' /02' G1:.32)' (5' 4135/(/:/(13' 413J /(3:29' ;.79:7)' /1' 5(3>' /(' .7/02.' ?1.2' /073' %1:.' @22>5' 7%/2.' 0(5' 52(6:.2' (3' /02' 1:52' 1%' 1.95< 7%%24/(137/2)' /23929' 8)' /02' @(%2' 739' 40(9.23' (3' @0152' 07HH(3255' 739' @2 %7.2' @75' 423/.29' 7' /02' /2392.3255' 1%' 0(5' 37/:.2</02

' F' 1.9' 7?H82 =5' (Q25' 1%' /02' 07342 1.5' Q1 ' Q' H' L*V' N' f' 7HH27.5' 8)' /02 1:.37 5 0' @.(/25' 1.9' 7?H82 ' N /07f' /02.2' @2.2' 13)' /@1' 7.5' 827.(3;' /(/ 25' 82;(33(3;' @(/0' 73' ' H.2523f' /07f' 97)<P/02' 7.' 1%' 7.40?1:f' 739' /02' 7.' 1%' (735%(2 9' '7?' ?:40' 7%.7(9' /07f' /02' 7//2.'(5' 7 :929' /1 0]' D7 H1 2=5' 2//2.5' Q1 ' Q((' H' V!' 9' !"#$' K 02' 4(.4:?5/7342' (5' .7/02.' 7' .2?7.>78 2' 132' /07f' 51' ?(33/2' 73' 73/(I:7.)' 75' 1.742' D7 H1 2' 501:9' /@(42' ?7>2' /02' ?(5/7>2' 1%' .2H.2523/(3;' 1.9' 07/07?' /1' 07Q2' 8223' 47..(29' /1' /02' ? 4' 45 ' @0(40' 5/7395' 7f' /02' %:./02.' 1.'@25/2.3' 239' 1%' D25/?(35/2.' 882)' (35/279' 1%' /1' -.(342=5' 07?82.' @0(40' (??29(7/2)' 79G1(329' /02' 19' 1:52' 1%' 1.95' + ' - @ ' 0 ' Q1 ' Q((' H' #!X' 739' - @ '0 '? ' Q1 ' ((' H' +V!

, ' (1 * ' ' ' ' +!L

(:5/.(1:5' 3; (50?73' 8.27/029' 0(5' 75/ F' 5' /02' ;.27/' H1./(13' 1%' 0(5' (%2' 079' 8223' 92Q1/29' /1' H.14:.(3;' /02' 7;;.739(62?23/' 1%' 0(5' 41:3/.)' 51' 079' /02' .2?373/' 1%' 0(5' 97)5' 8223' 501./2329' 8)' 0(5' 7%%24/(3;' 23927Q1:.' /1' H.2J Q23/' 02.' 0:?((7/(13' 32' 1%' 0(5' 7/25/' 74/5' H.2Q(1:5)' /1' 0(5' 52(6:.2' (3' /02' 1:52' 1%' 1.95' 079' 8223' /1' ;.73/' H2.?(55(13' /1' 0(5' 513' 1.9' -(//' /1' .2R23/2.' /02' .?)X' 7' 4134255(13' @0(40' @1: 9' H.1878)' 31/' 07Q2' 8223' 18/7(329' %.1?' 0(?' 8:/' %1.' /02' (?H239(3;' @7.' 82/@223' .27/' .(/7(3' 739' 0(5' 1 9' 739' 92/25/29' 232?(25' /02' .2340' N (5' 75/' @(50 0' 57(9' 1.9' :;23/' (3' /02' 1:52' 1%' 1??135' N' @75' %1.' 0(5' 41:3/.)=5' ;119 0< N' 1' ?)' 513' T 0' (5' .2H1./29' /1' 07Q2' 8223' /02' (3G:34/(13' 1%' /02' 9)(3;' H7/.(1/' /1' 0(5' 02(.< N' 1' @0(/02.')1:.' 41:3/.)' 47 5')1:' T' 2/' 02.' 23;.155' 7 ')1:.' 7//23/(13' T' H7.2' 31/' 7' ?1?23/' @0(40' (5' 9:2' /1' 02.' 52.Q(42' (3' @22H(3;' 1Q2.' 73' 1 9' ?73' @01' 5113' @(' 82' 31' ?1.2 0' %

3' /02' 1:52' 1%' 1??135' @0(40' 7552?8)' 07HH2329' /1' 82' 5(//(3;' 7/' /02' /(?2' 1%' 1.9' 07/07?=5' 927/0' /02' 7331:342R' H(23/' 1%' /07/' 2Q23/' 4.27/29' 7' H.1%1:39' 52357/(13' 1.' /02' ?1?23/' /02' (?H2.%24/(135' 1%' /02' (:5/.(1:5' 9279' @2.2' %1.R_ ;1//23' (3' /02' .2?2?8.7342' 1%' 0(5' 1%/)' ;23(:5' (3' .25H24/' %1.' /02' H:.(/)' 1%' 0(5' (%2' 739' ;.7/(/:92' %1.' /02' /.(:?H05' 739' H.15J H2.(/)' @0(40' 02' 079' 740(2Q29' %1.' 0(5' 41:3/.)' 3' 7' 8.(2%8:/' 2 1 I:23/' 5H2240' 1 132' 7..W' H.1H1529' 73' 799.255' /1' /02' /0.132' .241??239(3;' /07/' 0(5' ?2?1.)' 82' 0131:.29' @(/0' 7

F' 1.9' 07/07?' 2MH(.29' 7/' 7)25' 13' /02' !!/0' 1%' 7)' !$$"' (3' /02' 52Q23/(2/0')27.' 1%' 0(5' 7;2

]' 1.9' :;23/B5' H2240' (3' /02' 1:52' 1%' 1??135' 7)' !L' !$$"' ;> # @ #$ Q1' M(M' 41' !++$' 1.9' :;23/' 13' /0(5' 14475(13' 7HH (29' /1' 1.9' 07/07?' /02' @2 R>31@3' (325' 799.25529' 8)' -1H2' /1' 79)' 07/(7?=5' :34 2' (407.9' 1.9' 1807?<' =

N' 39')1:' 8.7Q2' 1807?' /1' /02' 7/25/' 8.27/0
07' %22')1:.' .: (3;' H755(13' 5/.13;' (3' 927/0
:40' (3' /0152' ?1?23/5' 75' (3' 7' /02' H75/X
^ 0' 57Q2?)' 41:3/.)' 27Q23' =<R507' 82')1:.' 75/0
< 'C , # C '!

H:8 (4 %/(32.7 ' 0(5 'B739 5:852I:23/)' 1/02.' /.(8:/25 1%
37/(137 'Q232.7/(13 ' @2.2 7;.229 /1 8)' ?23 1% 7 ' H.(34(H 25
739 7 ' H7./(25 ' H:8 (4 ?13:?23/ @75 Q1/29 8)' -7.(7J
?23/X /02 5:?' 1%+* ***y' @75 ;.73/29 %1.' /02 9(5407.;2 1%
0(5 928/5' 739 73 733:(/)' 1%S ***y' 7)27.' @75 7332M29 %1.'
2Q2.' /1 /02 7.91?' 1% 07/07?' 0W 4(/)' 1% 13913
H2/(/(1329 /07/ 0(5 .2?7(35 ?(;0/ 82 7 1@29 /1 .2H152
:392.' /02 ;.27/ 91?2 1% /' -7: =5' 8:/' @07/2Q2.' ?7)' 07Q2
B8223 /02 .275135' D25/?(35/2.' 882)' @75 52 24/29 /1 82
/02(.' %(37' .25/(3;' H 742' 3 /02 1:52 1% 1.95 13)' 7 %2@
9(5523/(23/ Q1(425 @2.2 .7(529 7;7(35/ 7@7.9(3;' %: ' 0131:.5
/1 /02 (:5/.(1:5 9279' 02 (' %1.' 52// (3;' 73 733:(/)' 13
/02 7.91?' 1% 07/07?' @75 ' 75 @2 07Q2 7 .279)' ?23/(1329 '
1HH1529 8)' %1:.' -22.5' N 1?2 %2@ 1.95 ' 75 ' 027.0 @.(/25
1.9 7?923 /1 /02 @(91@ 1% 0(5 (:5/.(1:5 %.(239 ' N7.2
(34 (329 /1 ?://2.' 51?2 9(5 (>2 /1 (/ ' 91B31/ >31@ /02(.'
37?25 ' 739 ' 01H2 /02)' @(R 82 /11 @(52 /1 /.735?(/ /02?'
@(/0 /0(5 5/7(3 /1 H15/2.(/) 0F 0152 37?25 /02.2 522?5 /1
82 31 @2(;0/)' .27513 %1.' 413427 (3;' 02)' @2.2 7?25 '
/02 75/ :>2 1% 073915' 1(F9 7/0:.5/' 23.)' 1.9 -7;2/ '
739 D((7?' 7.>07?' .408(501H 1% 1.> %

D(/0 .25H24/ /1 /02 4139:4/ 1% (3(5/2.5 13 /0(5 14475(13 '
7 /01:;0 /02)' 74I:(25429 (3 /02 H.1H.(2/)' 1% 7@7.9(3;' H:8 (4
0131:.5 /1 /02 ?2?1.)' 1% 1.9 07/07?' 547(=42)' 132 1%
/02?' 47?2 %1.@7.9 /1 501@ 73)' H2.5137' .25H24/ %1.' /02
9279' % /02 ?WO 1% 41352I:2342 739 .73>' @01 %1 1@29
0(5 .2?7(35 /1 /02 /1?8' /02.2 @75 547.42)' 132 @01 @75
31/ (3 1HH15(/(13 /1 /02 1Q2.3?23/' N 1.9 07/07?=5
%:32.7 0@.(/25 (8813' N@75 ?273)' 7//23929 ' 739 1Q2.3J
?23/ (3;23(1:5)' 413/.(Q29 /1 524:.2 /02 91:8 2 19(:?' 1%
5:%%2.(3;' /02 /0(3;' /1 82 9132' 739 1% 31/ 91(3;' (/ @(/0 7
;119 ;.742 0 ' / 079 8223 H.1H1529 8)' 1.9 02 8:.32

F 07/07?' 1..25H ' Q1 ' (Q ' H ' #+V
/ -7. ' (5/ ' Q1 ' M(M ' 41 ' !+VVX 522 7 51 @ ' H ' !""
' (8813=5 (542 7321:5 D1.>5 ' H ' +,+

(3' /02' 1:52' 1%' 1.95' /07/' /02' -22.5' 501: 9' @7 >' (3' H.1RF'
4255(13' /1' /02' ;(R7Q2' 0:/' /02' ?1/(13'@75' 15/' 7 /01:;0' 13)'
8)' 7' ?7G1.(/)' 1%' 132' ?13;' /0152' @01' Q1/29' 7;7(35/' (/'
@2.2' /02' 7.' 1%' 35 1@'739'/02' .408(501H' 1%' 73/2.8:.)P'
1%' @01?' /02' %(.5/' 079' 8223' %1.?2.)' 31/1.(1:5' %1.' 0(5' 1852RF'
I:(1:53255' (3' 02 H(3;' 13' /02' 92427529' 7.' @(/0' 0(5' ;.27/'
417/' (3' /02' 188)' 1%' /02' 1:52' 1%' 1.95' @0(2' /02' 7//2.' (5'
57(9' /1' 07Q2' 8223' (3928/29' /1' 0(?' %1.' 0(5' ?(/.2 F' 1.' @75'
(/' @(/0' 7' Q2.)' ;119' ;.742' %(7/' /02' (3;' 0(?52 %' 75523/29'
/1' /02' .241??2397/(135' 1%' -7.(7?23/' N' 7?' .7/02.' 5:.RF'
H.(529 0' 02' @.(/25' /1' 1.9' 1./0' N 7/' /02' Q1/2' 1%' 7' H:8 (4' 7)' □'
%:32.7' 739' ?13:?23/' %1.' 1.9' 07/07?' :/' /.:5/' (/' (5'
@1.929' 75' 7' /25/(?13)' 1%';.7/(/:92' %1.' 0(5' .1:5(3;' /02' 37/(13'
7/' /02' 82;(33(3;' 1%' /02' 7/2' @7(F' 739' 0(5' 4139:4/' 75' 24.2J
/7.)' 1%' /7/2' 1.' /0(5' 41?H(?23/' (%' H7(9' /1' 0(5' ;232.7' 413J
9:4/' (5' .7/02.' 73' 1%%235(Q2' ?275:.2' /1' ?2' H2.5137)' 5'
/1' 799(3;' 7' /.(% 2' /1' /0W' H235(13' ' 07Q2' 31' 18G24/(13 0' %'
02' 42.2?13)' 1%' 1.9' 07/07?=5' (3/2.3(23/' /11>' H 74W'
13' /02' ,/0' 1%' :32' %/2.' 07Q(3;' 7(3' (3' 5/7/2' %1.' /@1'
97)5' (3' /02' -7(3/29' 07?82.' /02' 819)' @75' 8.1:;0/' /0.1:;0'
D 25/?(35/2.' 7' (3/1' 2@' -7 742' 7.9' @02.2' (??29(7P'
/2)' 1HH15(/2' /1' /02' 23/.7342' /1' /02' ;.27/' 7 < 13' /02'
57?2' 5H1/' 13' @0(40' (3' /02' H.2429(3;' 423/:.)' /02' 0(;0R'
?(3929' 1.9' 7H2' /02' ;7)' 739' ;.742%:' 1.9' 1 739'
739' /02' 92Q1/29' :>2' 1%' 7?(/13' 079' 2MH(7/29' 13' /02'
547%%1 9' /02(.' 4.(?2' 1%' 1)7/)' /1' 07.25' /02' (.5/< /02'
H.14255(13' %1.?29' @0(40' @75' /1' 4139:4/' /02' H7/.(1/' 07/07?R'
/1' 0(5' ;.7Q2')' 7' 40R4:(/1:5' .1:/2' 7 13;' -7.(7?23/' /.22/'
739' .1:39' 8)' (3;' /.22(P' 81/0' 1%' @0(40' 5/.22/5' @2.2' (329'
8)' /02' 11/' :7(R95' /02' 819)' @75' 47..(29' /1' /02' ;.27/'
@25/2.3' 23/.7342' 1%' D 25/?(35/2.' 882)' (;0/' H22.5'
@7 >29' (3' /02' /.7(3' 1%' /02' 0(2%' 1:.32.' 02' 7332.' 1%'
/02' 7.13)' 1%' 07/07?' @75' 5:HH1./29' 8)' /@1' :>25' 739

F' D7 H1 285' 2//2.5' Q1 ' Q((' H' #V' 9' !"V$
]' 1.9' .1:;07?=5' /7/25?2:' 1%' /02' (?2' 1%' 21.;2' L' Q1 ' (' H' !!#

7 7.I:(5 /02 .27 7332.0 @75 47..(29 8) 1 132 7..W 9?:39 :.>2 @75 132 1% /02 H7 R827.2.5 02 40(2% ?1:.32.@75)1:3;D((7?-(// @01 7%/2./02 7H52 1% /@23/)R2(;0)27.5 739 7%/2. 07Q(3;740(2Q29 %1.0(?J 52 % 7 37?2 7 ?15 75 (:5/.(1:5 75 /07 1% 07/07?@75 925/(329 /1 82 1@2.29 (3/1 /02 57?2 /(?2R0131:.29 Q7: / 13 /02 ?7.;(3 1% @0(40 02 @75 31@ 51 2?3(6(3; 7 H7.23/=5 1852I:(25

2/7%/2.7 /02 1852I:(25 1% /02 ;.27 7.@1:9 522? 75 (8813 .2 7/25 /1 07Q2 8223 8:/ N ?273)7//23929 0 N 7?4>=5 %:32.7 0 @.(/25 D7H12 N @75 /23 /(?25 ?1.2 7//23929 /073 1.9 07/07?=5 0 1/ /0.22 1% /02 1:./ 7441.9(3;/1 D7H12 7//23929 (/ 739 31/ 7 91623 1% /02 HH15(/(13 1% 73) 31/2 F 02 5(;0/ 52357/(13 (39229 @0(40 /02 927/0 1% 51 (:5/.(1:5 7 ?73 2M4(/29 (3 @07/ (5 47 29 /02 N;.27/@1.9 0 5:;;25/5 7 5/.(>(3;739 0:?((7/(3; ?1.7 1.9 07/07?0(?52 % ?23/(1329 31/ 13;82%1.2 0(5 9(551 :/(13 /07/ 13 .241Q2.(3;0(5 523525 7%/2.0(5 %7/7 52(6:.2 (3 /02 1:52 1% 1.95 1.9 2 25H2342.@75 /02 13)132 1%0(5 1 9 74I:7(3/73425 413324/29 @(/0 /02 1:./ @01 N51 ?:40 75K75>29 0(.3 01@ 02 9(9 0 / 7 /(?2 @023 0(5 413/2?H1.7.(25 @2.2 924.)(3;0(5 ?2.(/5 739 50.:;;(3; /02(. 501:92.5 @0232Q2. 0(5 ;23(:5 @75 925473/29 :H13 U@(/0 23/0:5(75?(/ @75 /1 /02 4.29(/ 1% 132 7/ 275/ 1% /02?1.742 D7H12 /07/ 02 5/.23:1:5)(3Q2(;029 7;7(35/ 5:40 (3G:5/(42 7/ /02 57?2 /(?2 H.29(4/(3;/02 ;.27/ .2H:/7/(13 @0(40 H15/2.(/) 075 5(342 7//74029 /1 /02 37?2 1% 4/ " 07/07?N D0) 31/0 D7H12 R@.(/25 /1 733 N7 1@ 0(5 ?7;3(%(423/23/2.H.(525 739 ;119 %1./:32 739 413%255 0(5 92%24/5 (35/279 1% 82(3;81?875/ (3 0(5 H.7(525 739 7/ /02 57?2 /(?2 9(541Q2. /07/ /02 7?H (%(47/(13 (5 (35(342.2 (3(5/2.@01 (35H(.25 ;.27/ 74/(135 ?:5/ 82 7 ;.27/ (3(5/2. 739 1.9 07/07?@(7 @7)5 7HH27. 51 8) 41?H7.(513

@(/ (' ((5' H.29242551.5' 739' 5:442551.5' 2' .2/.(2Q29' 1:.' 7%%7(.5' @023' .:(329' 8)' 7' ?15/' (347H78 2' 9?(3(5/(=7/(13' 739'@2' 7.2' %7 23' (3/1' 7'@1.52' 5/7/2' 5(342' 02'@75' .2?1Q29 0F' 02' ;.7Q2' 1%' 07/07?' (25' 327.' /02' 31./02.3' 911.' 1%' KD25/?(35/2.' 882)' 1HH15(/2' /02' ?13:?23/' 1%' /02' :>2' 1%' 2@475/ 2' (342' /02)' 7(9' 0(?' (3' /07/' 0131:.29' 5H1/' /02' H7Q2?23/' 7.1:39' 075' 8223' %.1?' /(?2' /1' /(?2' .7(529' /1' .242(Q2' /02' .2?7(35' 1%' 0(5' .(Q7' 1.9' 735%(2 9' 1%' 07. 25' 1M' 1%' .7//73' 733(3;' D(82.%1.42' 739' -7 ?2.5/13' N 3' 31' 1/02.' 42?2/2.)0' 7.2' /02' ;.7H0(4' @1.95' 1%' 1.9' 747:7)' N 91' 51' ?73)' ;.27/' 4(/(6235' (2'@(/0(3' 51' 37..1@' 7' 5H742' (;0' 1Q2.' /0152' Q232.78 2' ;.7Q25' /1@2.5' /02' 5/7/2)' ?13:?23/' 1%' 07/07?' 739' %.1?' 781Q2' 0(5' 2%%(;)' ;.7Q23' 8)' 7' 4:33(3;' 0739' 522?5' 5/(' @(/0' 27;2' %742' 739' 1:/5/.2/4029' 7.?' /1' 8(9' 3; 739' 82' 1%' ;119' 4022.' 739' /1' 0:.' 92%(7342' 7/' 02.' %125' 02' ;232.7/(13' @0(40' .27.29' /07/' ?2?1.(7' 1%' 0(?' 075' 9(57HH27.29' 02' /(?2' 075' 41?2' @023' /02' .750' 739' (39(54.(?(37/2' G:9;?23/5' @0(40' 0(5' 413J /2?H1.7.(25' H7552 9' 13' 0(5' 407.74/2.' ?7)' 82' 47 ?)' .2Q(529' 8)' 0(5/1.)' 39' 0(5/1.)' @0(2' %1.' /02' @7.3(3;' 1%' Q202?23/' 0(;0' 739' 97.(3;' 37/:.25' 502' 31/25' 0(5' ?73)' 2(1.5' @(')2/' 92 (82.7/2)' H.131:342' /07/' 7?13;' /02' 2?(323/' ?23' @0152' 81325' (2' 327.' 0(5' 547.42)' 132' 075' 2%/' 7' ?1.2' 5/7(3 255' 739' 3132' 7' ?1.2' 5H 239(9' 37?2 0' %

/' 075' 8223' 7.;:29' 8)' /02' 79?(.2.5' 1%' 1.9' 07/07?=5' ;23(:5' /07/' 079' 0(5' (%2' 8223' 5H7.29' 739' 0(5' 2 2Q7/(13' /1' /02' H.2?(2.50(H' 8223' 41342929' 8)' /02' (3;' ?2.(47' @1:9' 07Q2' 8223' H.2Q7(29' :H13' /1' .2/:.3' /1' 02.' 7 2;(7342' 739' /07/' /02' 9(5.:H/(13' 1%' /02' 2?H(.2' @1:9' /0:5' 07Q2' 8223' H.2Q23/29' 1:8/ 255' (3928/29' 75' ?2.(47' @75' /1' 0(?' 13' 7441:3/' 1%' 0(5' 13;' 739' :3@27.)(3;' 2%%1./5' (3' 92%2342' 1%' 02.' (82./(25' 739' /02' ?73)' 027./R5/(..(3;' 7HH27 5' @0(40' 02' 079' 92 (Q2.29' (3' 02.' 8207 %' /02.2' @75' 31' (Q(3;' 3; (50?73' /1

@01?' 7' ?(55(13' 1%' 4134((7/(13' 41: 9' 07Q2' 8223' 23/.:5/29'
@(/0' 7' 82//2.' H.15H24/' 1%' 5:44255' 1.21Q2.' /02' 9(Q2.5(/)'
1%' 1H(3(13' 13' .2 (;(1:5' 739' H1 (/(47' I:25/(135' @0(40' 7/' /0(5'
/(?2' 2M(5/29' 7?13;' /02' ?2.(473' H21H 2< /02' 9(55235(135'
@0(40' 31/1.(1:5)'H.2Q7(29' 2Q23' (3' 13;.255' (/52 %< 75' @2 '
75' /02' 3:?2.(47' 5/.23;/0' 1%' /02' 1)7' H7./)' (3' ?2.(47 <'
@1: 9' :3I:25/(1378)'07Q2' 23073429' 0(5' 4073425' 1%' 47( )(3;'
0(5 18G24/' (3/1' 2M24:/(13' :/' 13' /02' 1/02.' 0739' ?73)'
@2.2' /02' 9(%%(4: /(25' @0(40' 02' @1: 9' 07Q2' 079' /1' 2341:3/2.'
' 4135(92.78 2' H2.(19' 8% /(?2' (/' ?:5/' 82' .2?2?82.29' 079'
2 7H529' 5(342' /02' ?2.(4735' 079' H.14 7(?29' /1' /02' @1. 9'
/02(.' .251 :/(13' /1' .2?7(3' 7' %.22' (392H23923/' 739' 51Q2.2(;3'
H21H 2' 02)' 079' 27.329' /1' /7>2' 7' G:5/' 739' 2Q23' 07:;0/)'
H.(92' (3' /02(.' 32@' 51Q2.2(;3/)' 02)' 079' 9(541Q2.29' 01@'
Q75/' @2.2' /02' .251:.425' 1%' /02' ;.27/' 413/(323/' 1%' @0(40'
/02)' @2.2' /02' 37/:.7' 02(.5' 739' 01@' (..7/(137' /02.2%1.2'
(/' @75' /1' 2MH24/' /07/' 51' 41 1557' 7' /2..(/1.)' 501:9' 13;'
.2?7(3' 73' 7HH737;2' 1%' 7' 5?7' (5 739')(3;' %7.' 7@7)' 74.155'
/02' 8.179' /73/(4' :44255' 13' /02' %(2 9' 1%' 87// 2' 079'
501@3' /02?' /07/' 32(/02.' (3' ?((/7.)' ;23(:5' 31.' (3' ?((/7.)'
(3/.2H(9(/)' @2.2' /02)' ?:40' (3%2.(1.' /1' /02' 8.7Q2' (5 7392.5'
@01' @2.2' 7//2?H/(3;' /1' 2%%24/' /02(.' 5:8G24/(13' 5' 7'
51Q2.2(;3' H21H 2' /02)' 079' 23/2.29' (3/1' 23;7;2?23/5' @(/0'
?1.2' /073' 132' :.1H273' H1@2.' 02)' >32@' /07/' /02' 2)25'
1%' :.1H2' @2.2' %(M29' :H13' /02?' 739' 7')1:3;' H21H 2' 7.2'
2Q2.' 5235(/(Q2)' /2374(1:5' 1%' /02' 1H(3(13' 1%' /02' @1. 9' D 75'
(/' /1' 82' 2MH24/29' /023' /07/' 7/' /02' (3Q(/7/(13' 2Q23' 1%' /02'
@(525/' 739' ;.27/25/' 1%' :.1H273' 5/7/25?23' /02)' @1: 9' 07Q2'
8223' (39:429' /1' 5/: /(%)' /02(.' 7/2' H.14229(3;5' 739' H.(34(H 25'
739' (3' 2M4073;2' %1.' /02' %.2291?' 739' 2?H(.2' @0(40' /02)' 079'
740(2Q29' (3' /02' 2@' D1. 9' Q1 :3/7.()' .2/:.3' /1' @07/' /02)'
.2;7.929' 75' /02' ?137.40(47' ?(5;1Q2.3?23/' 739' 7.(5/14.7/(4'
E(351 2342' 1%' /02' 9' ¢ 392.' /0252' 4(.4:?5/73425' 31/' 13)' U
@2' (?7;(32' @1: 9' 73)' 7//2?H/' 13' /02' H7./' 1%' 1.9' 07/J
07?' /1' :.2' 874>' /02' ?2.(4735' /1' /02(.' 7 2;(7342' 07Q2

' D" ' -' ' ' +!,

2341:3/2.29' 7' ?1./(%)(3;'%7(:.2' 8:/' (/' 075' 8223' 7.;:29'/07/' (/' Q75' 75' @2 '%1.' 0(5' H15/0:?1:5' %7?2'/07/' 02' @75' 31/' H2.J ?(//29' /02' 1HH1./:3(/)' 1%' ?7>(3;' /02' 7//2?H/ F

02' /@1' %1 1@(3;' 914:?23/5' %:.3(50' :5' @(/0' H755(3;' 2Q(92342' 1%' /02' (3/2.25/' /7>23' 8)' /02' (3;' (3' ?((/7.)' 7%%7(.5' 739' 25H24(7)' (3' /02' 7.?)' 1%' ?2.(47' /' 501:9' 82' ?23/(1329' /07/' 9:.(3;' /02' /(?2' /07/' (.' 23.)' (3/13' 02 9' /02' 7HH1(3/?23/' 1%' 1??7392.' (3' 0(2%' 1%' /02' .(/(50' 739' %1.425' (3' ?2.(47'31' 1%%(42.' 7HH27.5' /1' 07Q2' 8223' H2.J ?(//29' /1' .2/:.3' /1' 3; 739' %.1?' /07/' 41:3/.)' 13' 27Q2' @(/01:/' 0(5' 7HH (47/(13' 07Q(3;' 8223' H.2Q(1:5)' 5:8?(//29 /1' /02' (3;

#'H ' ' I ' J

1 ' 2 % (AK 'L" ")' !$$#

N' (.

N' 02' (3;' 075' 1.92.29' ?2' /1' 74I:7(3/')1:' /07/' /02' .2/:.3' 1%' (2:/' 1 132' :3/' /1' 3; 739' G:5/' 7/' /02' ?1?23/' @023' /02' 2;(?23/' 02' 41??7395' @75' ;1(3;' /1' 82' 2?H 1)29' 13' /02' @7.?25/' 739' ?15/' (?H1./73/' 52.Q(42' 41:9' 31/' 8:/' 5:.H.(52' 739' 9(5H 2752' 0(5' 7G25/)' 1@2Q2.' (/' 07Q(3;' 8223' .2H.2523/29' 8)' /02' (2:/2373/' 1 132' /0.1:;0' ?2' /07/' 02' 079' 31/' 75>29' /0(5' (39:;2342' @0(40' 079' 8223' Q1:3/7.()' 1%%2.29' 0(?'8)')1:.' M42 234)'%.1?' 7' >31@ 29;2' 1%' /02' (32M/.(478 2' 9(%%(4:/(25' 1%' 0(5' H.(Q7/2' 7%%7(.5' 7.(5(3;'%.1?' /02' H:.40752' 1%' 0(5' H.2523/' 41??(5J 5(13' @0(40' 9(%%(4:/(25' ?:5/' 413/(3:2'/(' 0(5' 7..(Q7' (3' 3; 739' /02' (3;' 075' /7>23' 31' %7./02.' 31/(42' 1%' /0(5' ?7//2.' /073' 8)' 9(.24/(3;' /02' (2:/' 1 132' /1' .2/:.3' /1' 0(5' 9:/)' /02' ?1?23/' 02' 473' 52// 2' /0252' 7%%7(.5

N' '07Q2' /02' 0131:.' /1' 82' (.

N' 1:.' M42 234)=5' ?15/' 1829(23/'

P N' 739' ?15/' 0:?8 2' 52.Q73/

1' 0 ,'

N' (5' M42 234)

(2' 13=RN 232.7' 1@2

n4' n1' n40

F A:7./2.)' 2Q(2@'Q1 ' MQ('H'+##' 1.9' 747:7)=5' 557)5'Q1 '(((' HH'#+!R+' 9'!"#*' 22'01@2Q2.'C '+ ? 'I 'C 'Q1 'Q('HH'LSL<$' /' ?2.(473' 0 '(3'/02' (8.7.)'1%/02' 1)7' 35/(/:/(13

#‘L ‘ ‘ I ‘$ ‘J 0‘ *

M/.7M(/Y

1‘7 $$‹ !‘E ,‘ !$"!

N‘ ‘07Q2‘/02‘0131:.‘/1‘741:7(3/‘)1:‘/02‘ (3;‘1852.Q29‘(3‘ /02‘ (5/‘ 1%‘ H.1?1/(135‘ /07/‘ 7H/7(3‘ 74>236(2‘ @75‘ 7HH1(3/29‘ 7G1.‘/1‘/02‘+L.9‘ 2;(?23/‘1%‘ 11/‘(3‘/02‘.11?‘1%‘ 7G1.‘ 2473‘ 92427529X /07/‘ 7G1.‘ 2?H 2‘@75‘/02‘2 925/‘ 7H/7(3X 739‘/07/‘75‘ 02‘@75‘ 31@‘ 74/:7)‘13‘8(5‘H7557;2‘/1‘ ?2.(47‘0(5‘ 4752‘@75‘7‘ (// 2‘07.9X 739‘/07/‘75‘02‘079‘/02‘407.74/2.‘1%‘82(3;‘7‘Q2.)‘;119‘ 1%%(42.‘0(5‘ 7G25/)‘01H29‘)1:‘@1: 9‘82‘78 2‘/1‘%(39‘5113‘7‘%7Q1:.J 78 2‘1HH1./:3(/)‘1%‘H.1?1/(3;B0(?‘/1‘7‘ 7G1.(/) O‘U

F‘ ?2.(473‘ ‘(3‘/02‘ (8.7.)‘1%/02‘ 1)7‘ 35/(/:/(13

- ' &&&

1?? (55(132.5' 523/' /1' /02' 2Q1 /29' 1 13(5/5 < 2%:529' 9(.24/' 41? ?:3(47/(13' @(/0' 13;.255 < 02(.' 2557;2' 92 (Q2.29 < 2H)' 1%' 13;.255 < 22 (3;5' 1%' 2M75H2.7/(13' (3' ?2.(47' (34.27529' 8)' /02' /132' 1%' -.14 7?7/(135' (55:29' 8)' /02' 1?? (55(132.P' < 232.7' (.' 23.)' (3/13=5' ?7.40' %.1?' -0(792 H0(7' /1' 2@' 1.>< 392J 4(5(Q2' 74/(13' 7/' 13?1:/0' 1:./' 1:52 < .:(/ 255'92?135/.7/(135' 1%' /02' .2340' ' 22/' 7/' 2@' 1.>' 739' 0192' 5 739 < 02' .2340' :35:44255%:)' 7//2?H/' /1' .2/7>2' /02' 5 739' 1%' /' :4(7 < 02' 07332' 22/' <' 3;7;2?23/' @(/0' /02' .2340' 1%%' 5073/ < 1:./5R 7./(7' 13' 9?(.7 5' 2HH2' 739' -7 (51.< :J ?(37/(135' 739' (1/5' (3' 0131:.' 1%' 2HH2 <P 02' 41?8(329' .2340' 739' H73(50' 22/5' (3' /02' 07332 < 7Q7' H2.7/(135' (3' /02' D 25/' 39(25 < 073;25' (3' /02' ' 9?(3(5/.7/(13 < 2//2.5' 1%' /02' (3;' /1' 0(5' (3(5/2.5

- ' //.22' 1??(55(132.5' 7HH1(3/29' /1' H.14229' /1' ?2.(47' 739' /1' /.27/' @(/(' /02' ?2.(473' 13;.255' @2.2' .292.(4>' 7.' 1%' 7.(5 2' D((7?' 923' 7%/2.@7.95' 1.9' :4> 739' 739' 21.;2' 1035/132' 5I:(.2G' 82//2.' >31@3' 75' 1Q2.31.' 1035/132 F' 02' 24.2/7.)' /1' /02' ?(55(13' @75' 97?' 2.;:513' /02' 0(5/1.(73' 1%' /02' 1?73' 2H:8 (4' 739' -.1%2551.' 1%' 1.7' -0(151H0)' 7/' /02' 3(Q2.5(/)' 1%' 9(38:.;0' D(/0' /02' R2M42H/(13' 1%' 1035/132' @01' @75' @2 ' Q2.529' (3' ?2.(473' 7%%7(.5' (// 2' G:9;?23/' 522?5' /1' 07Q2' 8223' 9(5H 7)29' (3' /02' 52 24/(13' 1%' /02' 1??(55(132.5' 923' %1.' (35/7342' 079' .2423/)' 9(5/(3;:(5029' 0(?52 %8)' 9231:34(3;' ?2.(473' 392H2392342' (3' /02' 1:52' 1%' 1??135X' @0(2' 1.9' 7.(5 2' /01:;0' ;(%/29' @(/0' 3h/:.7' ;119' 52352' 739' 78((/(25' 1%' 31' ?273' 1.92.' @75' 75')2/' >31@3' /1' /02' @1.9' ?2.2)

F' 0(.9 1331%' (.' 7?25' 1035/132' 1%' D25/2.07 ' 2' 079' %1.?2.)' 02 9' /02' 7HH1(3/?23/' 1%' 1Q2.31.' 1%' D25/ 1.(97' 1.9' 1@2' 739' 0(5' 8.1/02.' (.' D((7?' @2.2' 751' (34:929' 75' 1??(55(132.5' (3' /02' 2//2.5RH7/23/' H.1Q(929' /07/ /02)' 501:9' 82' 5/(' (3' ?2.(47' 13' /02' 7..(Q7' 1%' /02(.' 41 27;:25

75' 7')1:3;' ?73' 1%' H 275:.2' 75' 7' 2792.' 1%' %750(13' 75' /02' 92 (;0/' 1%' /02' 747.13(5' 7/' D 0(/2=5' 739' .11>5=5' 739' /02' 152.' 1%' 7 ?15/' .:(31:5' 5:?5' 7/' /02' H 7)R/78 2' 7/' ?74>=5' N' 02' :525' 739' .7425 0' 57(9' D(>25' (3' /02' 1:52' 1%' 1?? 135' N' 739' 7' ;.1:H' 1%' (// 2' 7:;0(3;' 1Q25' @2.2' (3' 0(5' /(=7(3' 739' %1.' /02' %(.5/'/(?2' 4.1552 9' /02' /73/(4 0F D023' 27.)' (3' :32' /02' 1??(55(132.5' .274029' -0(7J 92 H0(7' /02' 5/7/2' 1%' 7%%7(.5' 5/.:4>' /02?' 75' :352// 29' 739' B(47 7?(/1:5' (3' /02' 2M/.2?2' 02' .(/(50' 7.?)' @75' 13' /02' H1(3/' 1%' 9(52?87.>(3;' %1.' 2@' 1.>' -0(792 H0(7' @75' (3' 7' 5/7/2' 1%' /02' ;.27/25/' 413%:5(13' 1' 21.;2' 2@)3' 1.9' :31' ' 7.(5 2' @.(/25' /@1' 1.' /0.22' 97)5' 7%/2.' 0(5' 73(Q7' (3' /07/' 4(/)<N' 07Q2' /0(5' ?1.3(3;' 7/' %(Q2' 1=4 14>' 8223' /7>(3;' 7' .(92' (3/1' /02' 41:3/.)' 781:/' /23' ?(25' X ;((2Q29' ' 7?' /1' 57)' 2(;0/' ?(25' 82)139' 1:.' H155255(135' :.' (325' 2M/239' 13)' /@1' 739' /02' H.1Q(34(7' 7.?)' (5' H15/29' Q2.)' 5/.13;)' 781:/' 5(MR739R/@23/)' ?(25' 9(5/73/' 0(5' (5' ?7.>2/R97)' 739' /1' H.1/24/' /02' H21H 2' 8.(3;(3;' (3' H.1Q(5(135' @0(40' 1/02.@(52' /02)' @1:9' 31/' 97.2' /1' 91' 7.;2' 92/740?23/5' /1' /02' 7?1:3/' 1%' 781Q2' /@1' /01:5739' ?23X 7.2' 523/' %1.@7.9' (3/1' /02' 41:3/.)' 0' 1.9' 7.(5 2' 32Q2./02 255' %1:39' 0(?52 %(3' Q2.)' 41?%1./78 2' I:7./2.5' N' 7?' 19;29' 0' 02' @.(/25' N' (3' 132' 1%' /02' 825/' 01:525' (3' /02' /1@3' X 739' (39229' (/' (5' 7' Q2.)' 2M42 23/' 132' H2.%24/)' @2' %:.3(5029' ' 7?' 31/' ' 1@3' I:(/2' 7/' ?)' 2752' %1.' 41?(3;' (3/1' 7' ;23/ 2?73=5' 01:52' @(/0J 1:/' 75>(3;' 0(5' 27Q2' /7>?;' H155255(13' 1%' 7' /02' 825/' 7H7./J ?23/5' 739' H 74(3;' 7' 41:H 2' 1%' 523/.(25' 7/' 0(5' 911.' :5(3;' 0(5' H 7/2' n4' n4' 7.2' Q2.)' .2H:;373/' /1' ?)' 9(5H15(/(13' ' ?7>2' 0(?' 739' 0(5' @(%2' 7' Q(5(/' 2Q2.)' 97)X /7>' H1(/(45' @(/0' /02?' 739' @2' 7.2' /02' 825/' %.(2395' (3B/02' @1.9' 02)' 7.2' Q2.)' 7;.2278 2' 5235(8 2' H21H 2' 739')1:' 32Q2.' @1:9' 82' 1:/' 1%' /02(.' 41?H73)

1.' ?73)' .275135' (/' @75' /02' 18G24/' 1%' /02' 1??(55(132.5

P ' S* Z ' ' ' ' ++L

/1' 23927Q1 : .' /1' 1H23' 7' 9(.24/' 41 ? ? : 3(47/(13'@(/0' 13; .255' 739' 7/' 1342' /1' 8.(3;' %1.@7.9' /02' 7 ? H 2' H1@2.5' 23/. : 5/29' /1' /02 ? ' 7Q(3;' (3' Q7(3 ' 01@2Q2. ' 7HH (29' /1' 232.7 ' D 750(3; /13' %1.' 7' H755H1./' %1.' /02(.' 524.2/7.) ' . ' 2. ; : 513 ' 31' 7 /2.37/(Q2' @75' 2%/' /02 ?' 0 : /' /1' 52/' %1./0 ' (3' @.(/(3; ' /02' /2. ? 5' @0(40' /02)' @2.2' 7 : /01.(629' /1' 1%%2. ' 739' /1' 51 (4(/' 13; (B255' /1' /7>2' /02 ?' : 392.' /02(.' ? 15/' 51 2 ? 3' 4135(92.7J /(13 ' 0152' /2. ? 5' 4135(5/29' 40(2%)' 1%' 7' ; : 7.73/22' /1' ? 2.(47' 1%' N H2.%24/' %.2291 ?' 1%' 2; (5 7/(13' 739' (3/2.37 ' ; 1Q2.3 ? 23/ 0' /02' @(/09.7@7 ' %1.' 2Q2.' 1%' .(/(50' /.11H5' %.1 ?' 02.' 51(' 739' 7' H.1%%2.' 1%' 527/5' (3' /02' .(/(50' 1 : 52' 1%' 1 ? J ? 135' /1' .2H.2523/7/(Q25' 1%' /02' 9(%%2.23/' /7/25 ' 5' /0252' 4134255(135' @2.2' ; .27/2.' /073' 73)' %1.' @0(40' /02' ? 2.(J 4735' /02 ? 52 Q25' 079' %1. ? 2.)' H2/(/(1329 ' 739 ' (39229 ' 41 ? J H.(529' 2Q2.)' .(; 0/' 739' H.(Q(2 ; 2' 501./' 1%' /1/7 ' 52H7.7/(13 ' (/' @75' %139)' 01H29' /07/' /02' .2H)' 1%' 13; .255' ? (; 0/' H.1Q2' %7Q1 : .78 2 ' 3' /02' ? 273' /(? 2 ' /02' 1 ? ? (55(132.5' H.1J 422929' /1' 2@' 1.> ' @02.2' /02)' 73M(1 : 5)' 7@7(/29' /02' .25 : /' 1%' /02(.' 41 ? ? : 3(47/(13

02' 75H24/' 1%' 7%%7(.5' 7/' 2@' 1.>' 7HH27.29' /1' 1.9' 7. (5 2' 31' 255' ? 2 73401)' /073' 7/' - 0(792 H0(7 ' N R D 2' 7.2' 8 14>29' : H 0' 02' @(9/25' /1' 2 @) 3 ' N' 8)' 7' .2340' % 22/ ' D 2' :)' □□' 7.2' >2H/' (3' H.(513 ' 75' @2' 97.2' 31/' .(92' 82) 139' 1 : .' H15/5' /1@7.95' /02' 41 : 3/.) ' %' 73)' 7//74>' (5' ? 792 ' 2(/02.' 8)' 527' 1.' 739 ' @2' .(5>' ? 1.2' /073' @2' 7P2' (>2)' /1' ; 7(3 ' %' 42./7(3' 2Q23/5 ' @0(40' 7.2' 31/' (? H.1878 2 ' 501 : 9' /7>2' H 742 ' @2' 507 ' 82' (32Q(/78)' 5/7.Q29 0' ; 7(3' 02' @(B(/25 < N' Q2.) R' 4/' □' /0(3;' (5' : H13' 7' ; .27/' 547 2' : H13' /0(5' 413/(323/ ' 02' .(Q2.5' 7.2' (? ? 2352X' /02' 4 (? 7/2' Q(1 23/' (3' 027/' 739' A1 9X' /02' H.15H24/5' ? 7 ; 3(%(423/X' /02' /0 : 392.' 739' (; 0/3(3;' /.2 ? 23J 91 : 5 ' 02' 9(51.92.5' (34(923/' /1' /02' 41 : 3/.)' ? 7>2' 2Q2.)' 4135/(/ : /(13' /(=2 ? 8 2 ' D 2' 07Q2' 31/0(3;' 13' 7' ; .27/' 547 2' @(/0' : 5' 8 : /' 1 : .' 8 : 392.5' 1 : .' ? (54139 : 4/ ' 1 : .' . : (3' 1 : .' 15525 ' 1 : .' 9(5; .7425' 739' ? (5%1./ : 325 ' /07/' @(' ? 7.>' /02' .2(; 3' 1%' 7' - .(342' @01' 9252.Q25' 82//2.' /.27/ ? 23/' 739' >(392.

%1./:325 OF 31/02.' 7441?H (5029' ?73' 1%' H 275:.2' 739'
%750(13' 232.7' (/6H7/.(4>'5H27>5' (3' 31' 255' 23/0:5(75/(4'
/2.?5' 1%' /02' ?7;3(%(423f' 41:3/.)'(3' @0(40' ?15f':3@((3;)'
02' %1:39' 0(?52 %' 47..)(3;' 7.?5' 739' (3' 31' 255' 92H.247/1.)'
/2.?5' 1%' /02' N' 2M24.78 2' @7.' O @0(40' @75' 7)(3;'(f' @75/2
N' 1:' 47331f'(?7;(32 O 02' @.(/25' /1' /02' 1:3/255' 1%' 551.)'
%.1?' 2@' 1.>' 13' /02' +39' 1%' :32' !$$$' N 73)/0(3;' 07 %
1' 827:/(%:' 75' /0(5' 41:3/.)' f' (5' (?H155(8 2' /1' 41342(Q2'
73)/0(3;' 51' 92 (;0/%:' 79)' 1 739' (3' 5H(/2' 1%' 02.' H1 (J
/(45' @1: 9' ' 7?' 5:.2' %22' %1.' (/' (%' 502' 41: 9' 522' /02' .:(3'
739' 9251 7/(13' @2' 07Q2' (3/.19:429' (3/1' /02' ?15f'827:/(%:'
739' ' 82 (2Q2' 1342' /02' 07HH(25f' H7./' 1%' /02' 3(Q2.52 O<
N' 02' (3078(/73/5 O 7995' 232.7' (/6H7/.(4>' N' 7.2' 75' %7.'
75' ' 473' G:9;2'%.1?' /02' %2@' ' 07Q2' 5223' 739' @0(40' ' 7?'
755:.29' 7.2' 7' Q2.)' G:5f'/)H2' 1%' /02' @01 2' /1' :5' 42./7(3)'
/02' ?15f':3H 27573/' %1.?7' H.24(52' 9(57;.2278 2' (3' /02'
@1. 9' 8:f' '91' 31f' 522' /07f' /0(5' (5' 7' 5:%%(4(23f'.27513' %1.'
2M/(.H7/(3;' /02' @01 2' .742' @0(40' 522?5' 31@' ;232.7)'
:392.5/119' /1' 82' 1:.' 18G24/ O%
1' /02' 7.;:?23/5' 739' 23/.27/(25' 1%' /02' 1??(55(132.5'
/02' 13;.255' 75' ?(;0f' 07Q2' 8223' 73/(4(H7/29'/:.329' 7' 927%
27.' 02(.'.2H)' @75' (?H2.7/(Q2' 739' %(37' 1/@(/05/739J
(3;'/02)' 57(9' /02' /.27/?23f' @0(40' /02)' 079' 2MH2.(23429'
%.1?' .27f' .(/7(3' 739' /02' N' 57Q7;2' ?7332.' O (3' @0(40'
502' 079' 47..(29' 13' @7.'(3'/ (2(.'/2..(/1.)'/02)'@2.2' 925(.1:5
E1%' H2742' 5' 7' H.2(?(37.)' 5/2H' 01@2Q2.P' /02)' (35(5/29'
/07f' /02' ?1/02.R41:3/.)' 501:9' .241;3(52' /02(.' 392H23J
92342' 1.' 7f' 7' 2Q23/5' .247' 02.' 7.?(25' 739' % 22/5' :40'
7' ?275:.2' /02)' 413/(3:29' @1:9' 82' 7' ;:7.73/22' 1%' /02'
5(342.(/)' 1%' /02' (3;' 1%' 3; 739' 739' (3' /07f' 4752' 13)=F

F' 4@)3' 1..25H'Q1'(((' HH' L*!' L!*
]' D7 H1 2=5' 1..25H' Q1' Q((' HH' !'+' # 7' 7G=2//2' 13' /02' 1/02.' 0739'
/01:;0f' /02' ?2.(4735' N 75' 7;.2278 2' 75' O(5' 23/0:5(75?' 079' H7(3/29' /02?0<'
%^ (?H(4(/)'1%'?7332.5 O' 02' @.(/25'/1' O(5' @(%2' N'>(393255' 1Q2' 1%' 41:3/.)' 739' 1%'
(82./)' 739' 7' 92(;0/%:' 2I:7(/)' 2Q2.)@02.2' H.2Q7(O - .' - '
Q1' '!" SV+'& 8 =#

(' S* Z ' ' ' ! ' ! " ++

739 (3 31 1/02. ' @1: 9 /02)' 413523/ /1 32;1/(7/2 @(/0 0(5
1? ?(55(132.5
0252 92?7395 82(3;' (3 2M4255 1% /02 H1@2.5 Q25/29 (3
1.9 7. (5 2 739 0(5 41 27;:25' /02)' H.2H7.29 /1 .2/:.3 /1
/02(.' 1@3 41:3/.)' -.2Q(1:5)' 01@2Q2.' /1' I:(//(3;' /02
501.25 1% ?2.(47' /02)' H:8 (5029 73 7HH27' /1 02.' H21H 2'
(3Q(/(3;'/02?'8)'75 ?73)'/2?H/(3;'7.;:?23/5 75 /02)'41:9
52/ %1./0' /1 .2/:.3 /1 /02(.' 7 2;(7342 /1 /02 .(/(50 .1@3'
739 (35(5/(3;' /07/P @07/2Q2.' ?(52.(25 ?(;0/ .25: / %.1?' 7
H.1 13;7/(13 1% /02 @7.' 13;.255 @1:9 82 .25H135(8 2 %1.'
/02?'/1 19 739 ?73' 229 255 (/(5 /1 1852.Q2'/07/ 32(/02.'
E/0(5 31.' 731/02.' ?73(%25/1' 1% 7 ?1.2 /0.27/23(3;'407.74/2.'
H:8 (5029 8)' /02?' (?? 29(7/2)' 13 /02 2Q2 1% /02((F 92H7.R 14/ L'
/:.2' H.19:429 /02 2%%24/ 925(.29 8)' /02 1??(55(132.5
N 02 744:.529 H.14 7?7/(13 1% /02 1??(55(132.5 0 @.(/25
1.9 14>(3;07?'/1 9?(.7' 2HH2' N739 /02 87.87.(/(25
@0(40 07Q2 235:29' 07Q2 51 %7/7)' 79929 /1 /02 (39(;37/(13
739 .2523/?23/ 1% ?2.(47'/07/ 31/0(3;'8:/ 7?H 2 .2Q23;2
739 .2/7 (7/(13 @(' 31@ H.1878)' H.2Q7(' (3 /02 ?(395 1%
/02 ?2.(4735 0 F
?13;'1/02.' 2?87..755(3;' (34(923/5' @0(40 079 82%7 23
1.9 7. (5 2 739 0(5 75514(7/25 (3 /02 41:.52 1% /02(.' %.:(/J
255 ?(55(13' 079 8223 73 015/(2 407 23;2' 799.25529 /1 /02
7.' (3 0(5 47H74(/)' 1% H.(34(H7' 1??(55(132.' 8)' /02 42 2J
8.7/29 7.I:(5 92 7 7)2//2 F/023 23G1)(3;'0(;0 ?((/7.)'
.73>' (3 /02 ?2.(473 7.?)' 32 1% /02 ?73(%25/125 1% /02
1??(55(132.5 079 413/7(329 51?2 52Q2.2 73(?79Q2.5(135
13 /02 4139:4/ 1% /02 .2340 1:./' %1.' @0(40 /02 7.I:(5
U40152 /1 4135(92.' /02?' .25H135(8 2' 31/ (3 /02(.' a41.H1.7/2
BB 9(H 1?7/(4 47H74(/)' 8:/ 75 H.(Q7/2;23/ 2?23' 441.9(3;)'
02 925H7/4029 7 ' /1 1.9 7. (5 2' (3 @0(40' (3
73;:7;2 1% 7 Q2.)' H.1Q1>(3;' 739 51?2@07/ 5@7;;2.(3;'
407.74/2.' 02 47 29 :H13 0(?' /1 ;.73/ 0(?' 73 015/(2 ?22/P

(3;‘ 1.9‘ 7.(5 2‘ Q2.)‘ H.1H2.)‘ 924(329‘ /1‘ ;(Q2‘ 0(?‘ /02‘ 57/(5%74/(13‘ 02‘ .2I:(.29‘ N‘ 07Q2‘ .242(Q29 0‘ 02‘ @.1/2‘ 074>‘ N‘)1:.‘ 2//2.‘ /.735?(//29‘ /1‘ ?2‘ %(B1?‘ ‘ :(31/‘ 739‘ ‘ 413%255‘ ‘%(39‘ (/‘ 9(% 4:/‘ /1‘ .2/:.3‘ 7‘ 52.(1:5‘ 735@2.‘ /1‘ (/5‘ 413/23/5‘ 02‘ 13)‘ 132‘ /07/‘ 473‘ 82‘ 2MH24/29‘ %.1?‘ ?2‘ 75‘ /02‘ (3;=5‘ 1??(55(132.P739‘ @0(40‘)1:‘ 1:;0/‘ /1‘ 07Q2‘ >31@3<(5‘ /07/‘ ‘91‘ 739‘ 2Q2.‘ 507 ‘ 4135(92.‘ ?)52 %‘ 51 2)‘ B.25H135(8 2‘ /1‘ ?)‘ 41:3/.)‘ 739‘ (3;‘ 739‘ 31/‘ /1‘ 73)‘ (39(J Q(9:7‘ %1.‘ ?)‘ H:8(4‘ 4139:4/‘ 739‘ 73;:7;2 0‘ 31/02.‘ :3/1@7.9‘ 4(.4:?5/7342‘ @0(40‘ 82%2‘ /02‘ 1??(55(13‘ @75‘ 7‘ .2Q2 7/(13‘ @0(40‘ @75‘ ?792‘ /1‘ /02‘ ?2.(473‘ 1Q2.3?23/‘ /07/‘ 1Q2.31.‘ 1035/132‘ /0.1:;0/‘ /02‘ ?29(:?‘ 1%‘ 73‘ 7441?J H(5029‘ 79)‘ 1%‘ /02‘ 37?2‘ 1%‘ 2.;::513‘ 079‘ 1%%2.29‘ 7‘ 8.(82‘ 1%‘ /23‘ /01:5739‘ H1:395‘ /1‘ 7‘ 9(5/(3;:(5029‘ ?2?82.‘ 1%‘ B 13;.255‘ 152H0‘ 229‘ 75‘ 7‘ 4139(/(13‘ 1%0(5‘ 8.(3;(3;‘ 781:/‘ 7‘ .2:3(13‘ 82/@223‘ .27/‘ .(/7(3‘ 739‘ 02.‘ %1.?2.‘ 1 13(25 ‘ 7?‘ 31/‘ @1./0‘ H:.4075(3;0‘ @75‘ 229=5‘ (39(;373/‘ .2H)‘ N‘ 8:/‘ 5:40‘ 75‘ ‘ 7?‘ /02‘ (3;‘ 1%‘ .27/‘ .(/7(3‘ (5‘ 31/‘ .(40‘ 231:;0/‘ 1‘ 91‘ (/0‘ D(/001 9(3;‘ 13)‘ /02‘ 37?2‘ 1%/02‘ 79)‘ 229‘ @01‘ 079‘ %1.?2.)‘ 8223‘ D750(3;/13=5‘ 7(92R92R47?H‘ 739‘ 7%/2.@7.95‘ 0(5‘ 9G:/73/R 232.7‘ 922?29‘ (/‘ 0(5‘ 9:/)‘ /1‘ 41??:3(47/2‘ /02‘ %74/‘ /1‘ 13;.255‘ @01‘ 7HH7.23/)‘ 31‘ 255‘ (39(;373/‘ /073‘ 0(?52 %‘ H75529‘ 7‘ .251 :/(13‘ 13‘ /02‘ !!/0‘ 1%‘ :;:5/‘ /07/‘ N(/‘ (5‘ (341?H7/(8 2‘ @(/0‘ /02‘ 0131:.‘ 1%‘ 13J ;.255‘ /1‘ 01 9‘ 73)‘ ?7332.‘ 1%‘ 41..25H1392342‘ 1.‘ (3/2.41:.52‘ @(/0‘ 21.;2‘ 8035/132‘ 5I X 25H24(7)‘ /1‘ 32;1/(7/2‘ @(/0‘ 0(?‘ :H13‘ 7%%7(.5‘ (3‘ @0(40‘ /02‘ 47:52‘ 1%‘ (82./)‘ (5‘ 41342.329 0F D0(2‘ /02‘ 1??(55(132.5‘ 079‘ 8223‘ 2?H 1)29‘ 13‘ /02(.‘ %:/(2‘ ?(55(13‘ /02‘ .1)7‘ 7.?)‘ @75‘ 13‘ (/5‘ ?7.40‘ %.1?‘ -0(7J 92 H0(7‘ /1‘ 2@‘ 1.>‘ @(/0‘ /02‘ 18G24/‘ 1%‘ 413423/.7/(3;‘ /02‘ .(/(50‘ %1.425‘ (3‘ /07/‘ H.1Q(342‘ 3‘ /02‘ ?273‘ /(?2‘ (.‘ D((7?‘ 1@2‘ 7/‘ 0(5‘ 1@3‘ .2I:25/‘ 079‘ 8223‘ 5:H2.52929‘ 739‘ /02‘ 41??739‘ 1%‘ /02‘ 7.?)‘ /.735%2..29‘ /1‘ (.‘ 23.)

3‘ 129=5‘ (%2‘ 1%‘ 152H0‘ 229‘ (3‘ + * $‘ &)$$‘ 6 ,$‘ ‘ Q(((‘ HH‘ S!L<‘ S!#X‘ 1.913=5‘ ?2.(473‘ 2Q1:/(13P‘ Q1‘ (((‘ HH‘ !$*<L

(3/13 7 8.7Q2 :H.(;0/ 739 5>(%: 1%%(42. 02 78 2 ?7332. (3 @0(40 (. 23.) 4139:4/29 0(5 7.?) 74.155 73 015/(2 41:3/.) < 234:?82.29 75 02 @75 8) 7 /.7(3 1% 87;;7;2 /@2 Q2 ?(25 (3 23;/0 /02 8.(9;25 8.1>23 91@3 739 /02 232?) 29 8) D750(3;/13 H.255(3; 4 152) :H13 0(5 .27. < P075 8223 4(/29 8) 41?H2/23/ G:9;25 75 7 ?75/2.J H(242 1% ?((/7.) /7 23/ 02 H.(?7.) 18G24/ 1% (. 23.)

(3/13 @75 /1 2M/.(47/2 0(5 %1.425 75 5113 75 H155(8 2 %.1?) 73 232?)=5 41:3/.) @0(2 (/ @75 31/ 255 /02 18G24/ 1% D750(3;/13 /1 07.755 /02 .(/(50 8) 7 /02 ?2735 (3 0(5 H1@2. @(/01:/.(5>(3;/02 91:8/%: .25: /1% 7 ;232.7 74/(13 441.9(3;) 9:.(3;/02 ?7.40 13) 132 41 (5(13 1% 7 52.(1:5 F 407.74/2./11> H 742 82/@223 /02 /@1 7.?(25 0(5 7%%7(. 144:..29 7/ 13?1:/0 1:./ 1:52 13 /02 +"/0 1% :32 @023 7%/2. 7 52Q2.2 739 185/(37/2 5/.:;; 2 /02 1HH15(3; %1.425 %1:39 /02?52 Q25 .2/7(3(3; 7/ 3(;0/%7 /02 57?2 H15(/(135 @0(40 /02) 079 144:H(29 (3 /02 ?1.3(3; /02 155 13 2740 5(92 7?1:3/(3; /1 781:/ /0.22 0:39.29 739 5(M/) 1 (3/2352 (/ ?7) 82 ?23/(1329 @75 /02 027/ 1% /02 97) /07/ 13 /02 .(/(50 5(92 /0.22 52.;273/5 739 %(%/) R5(M ?23 9.1HH29 91@3 9279 @(/01:/ 07Q(3; .242(Q29 7 @1:39 0 F /@75 31/ /02 H1(4) 1% /02 .(/(50 232.7 75 @2 07Q2 5223 /1 .2?7(3 13;2./073 02 41:9 7Q1(9 13 015/(2 ;.1:39 739 41352 I:23/) 07Q(3; 23G1(329 /02 H.1%1:3925/ 5(2342 13 0(5 %1.425 02 .25:?29 0(5 ?7.40 7/ ?(93(;0/ 739 13 /02 V/0 1% :)7..(Q29 7/ 2@ 1.> @(/01:/ 07Q(3; ?2/ @(/0 %:./02./ ?1 25/7/(13 %(F1?/02 ?2.(4735

02 H.(34(H7 ?1/(Q2 @0(40 079 14475(1329 /02 @(/0R 9(B7@7 1% /02 .(/(50 7.?) %.1?-0(792 H0(7 @75 /02 92H7./:.2 %(=1?/02 501.25 1% .7342 1% 7 H1@2.%: 5I:79.13 1% 50(H5 1% @7. /02 925/(37/(13 1% @0(40 @75 82 (2Q29 /1 82

2 3,*)'4.! . 5 6,7*,-%)'')-
-)-9 7*,-%)'')%% :' : < 5 6,,',*94,',) *)'9 6),,=,''5 :'' # > 6 :
)'9 > :' 6:=,'(6,) 59 % 6,,9.)'& :',-6,6,)'' 5) (:,,
)-,>,)..:-, 6),6,!,..)'.)=. :,9-,5:.,,,,'()(,,%)-(>).
6 ? , ''7 0' 'L 'M ") 0/

/02' 2 7@7.2' f' 4135(5/29' 1%' 75' ?73)' 75' /@2 Q2' 57(' 1%' /02' (32' @0(2' /02' 37Q7' %1.42' :392.' /02' 41? ?739' 1%F 1.9' 1@2' 7f' /02' /(?2' @023' /02' /@1' 9?((F7 5' 5:852I:23/)' 413%.13/29' 2740' 1/02.' 1%%' 2@' 1.>' 41(3H.(529' 13)' 2 2Q23' 739' /0252' (3%2.(1.' (3' H1(3f' 1%' 5(62' 739' (3' R@2(;0f' 1%' ?2/7 ' /1' /02' .2340' 50(H5' 2Q2./02 255' @023' /02' ?1Q2R' ?23/5' 1%' /02' .2340' 9?(.7 ' 9= 5/7(3;' 522?29' /1' /0.27/23' B7((' (?? 29(7/2' 7//2?Hf' /1' %1.42' /02' 07.81:.' 1%' 2@' 1.>' 1.9' 1@2' ?73(%25/29' 31' :3@((3;3255' /1' .242(Q2' 0(5' 7//74>' 3' /02' ?273' /(?2' /02' H21H 2' 1%' 2@' 1.>' @01' @2.2' H.1?(529' 75' 2M4(/(3;' 7' 5H24/74 2' 75' 473' @2 ' 82' 413J 42(Q29X' 7@7(/29' /02' .25: f' @(/0' /02' (Q2 (25f' (3/2.25/' 01: 9' .7342' 5:44229' (3' ;7(3(3;' 7' Q(4/1.)' 1Q2.' 02.' 734(23f' %12' /02' .241;3(/(13' 1%' +832.(473' 392H2392342' 8)' .27f' BP .(/7(3' 739' /02' /2.?(37/(13' 1%' /02' /2..(D2' @7.' @0(40' @75' 92Q75/7/(3;' /02' ?2.(473' 413/(323/' @1: 9' 31f' (?H.1878)' %1 1@' 3' Q7(3'01@2Q2.' /02' 4(/(6235'1%' 2@' 1.>' 5/.7(329' /02(.' 2)25' /1@7.95' /02' @7/2.5' (3' /02' 01H2' 1%' 8201 9(3;' /02' 87332.' 1%' .7342' % 17/(3;' 1Q2.' /02' /231@329' % 7;' (3' /02' /.(:?H05' 1%' @0(40' ?2.(473' 75' @2 ' 75' 3;(50?73' 079' 2Q23' (3' /02' ?2?1.)' 1%' 40(9.23' 2I:7)' 739' ?:/:7)' ;1.(29' = 5/7(3;' @02/02.' %.1?' @73f' 1%' 5H(./' 1.' 75' 02' 0(?52%' 5/7/29' %.1?' /02.2' 31f' 82(3;' 7' 5:%%(4(23f' 92H/0' 1%' @7/2.' /1' % 17f' 0(5' 50(H5' /01:;0f' H.1H2.' /1' 7873913' %1.' /02' H.2523f' 0(5' 015/(2' (3/23/(135' 739' /1' /02' ;.27f' ;.(2%' 739' :)++' 9(57HH1(3/?23/B' 1%' /02' ?2.(4735' 57(29' @(/0' /02' %(.5f' %7Q1:.78 2' @(39' %1.' 0192' 5 739

02' .241Q2.)' 1%' /07f' 827:/(%:' (5 739' %.1?' /02' .:2' 1%' /02' .(/(50' @75' 7f' /0(5' /(?2' 73' 18G24f' 1%' H7.7?1:3f' (?J H1./7342' /1' /02' ?2.(473' 1Q2.3?23/' 13;.255' /02.2%1.2' %:)' 413%(9(3;' (3' /02' H.1?(525' 1%' 41R1H2.7/(13' 739' 5:HH1.f' @0(40' (f' 079' .242(Q29' %.1?' /02' .2340' 9?(.7 ' 925H7/4029' /23' /01:5739' ?23' :392.' /02' 41? ?739' 1%' 232.7' :(Q73' /1' (3Q25f' /02' 734(23f' /1@3' 1%' 2@H1./' 31@' 132' 1%' /02' ;7)25f' 1%' %750(1378 2' @7/2.(3;RH 7425' 0(/02.' = 5/7(3;

823/ 8(5 E41:.52' 739 /0:5R /02 %7 ' 1% 2@H1./ 522?29 /1' 82 (32Q(/78 2' @023 /02 .(/(50 % 22/' 5/.23;/02329 8)' .2(3%1.42?23/5 %.1?' 3; 739' @75 /1' 82 5223 827.(3;' /1@7.95BK /02 5 739 @(/0 2Q2.)' 7HH27.7342 1% 522>(3;' 87// 2 @(/0 /02 .2340X ;7(3' (3 5(;0/ 1% /02(% 1@3 501.25' /02' ?2.(4735B @2.2 H.1?(529 /02 2M4(/(3;' 5H24J /74 2 1%B /02 /@1 ;.27/25/ 37Q7' -1@2.5 (3 /02 @1. 9 413J /239(3;' (3 9279)' 41?87/ %1.' /02 51Q2.2(;3/)' 1% /02 5275' 02 (3/2.25/' 13 /0(5 14475(13' @75 2Q23 ?1.2 (3/2352 /073 (/ 079 %1.?2.)' 8223 7/ 2@ 1.>' (375?:40 75 (.' 23.)' (:/13 @75 >31@3 /1' 82 79Q734(3;' /1' /02 .2 (2% 1% 2@J H1./' 739 41352I:23/)' /02 %7/2 1% 232.7' : (Q73' 739 1% /02 /23 /01:5739 ?23 :392.' 0(5 41?? 739' 522?29 /1' 92H239 :H13 /02 41R1H2.7/(13 739 Q7 1:.' 1% /02 .2340' ;7(3' 01@2Q2.' 7 8(//2.' 9(57HH1(3/?23/ 7@7(/29 /02 ?2.(4735' / /02 Q2.)' 413G:34/:.2' @023 /02 .(Q7' % 22/5 @2.2 /1' 82 5223 3(7312:Q.(3;' %1.' /02 79Q73/7;2 1% /02 @27/02.R;7;2' 7 5/1.?' 1% :3:5:7' Q(1 2342 2%(24/:7)' 52H7.7/29 /02?' %.1?' 2740 1/02.' D07/2Q2.' ?7)' 07Q2 8223 /02 .27' 7?1:3/ 1% 97?7;2 5:5/7(329 13 /07/ 14475(13 8)' /02 5/7/2)' 50(H5 1% ' = 5/7(3;' 02 H 27929 /02 7851 :/2 324255(/) < 7 324255(/)' 01@2Q2.' @0(40 @75 7%/2.@7.95 1:9)' 739 70;(-( )'(?H:;329 8)' /02 ?2.(4735 < 1% .2%(//(3;' /02?' 75 5H229( )' 75 H155(8 2' 739 7441.9(3;)' /:.3(3;' 7 927% 27.' /1' /02 27.325/ .2?13J 5/.73425 1% 232.7' : (Q73' 739 27Q(3;' 0(?' /1' 2M/.(47/2 0(?52 % 739 0(5 7.?)' %.1?' /023F 4.(/(47' H15(/(13 75 825/ /02)' ?(;0/' 02 @(/09.2@ 0(5 % 22/ (3/1' /02 57%2 739 41?J %1./78 2 07.81:.' 1% 15/13' 02 H.(34(H7' 41352I:23425 1% /02 92%24/(13 1% /02 .2340 9?(.7 < (% 0(5 4139:4/ .27)' ?2.(/5 51 07.50 73 2H(/02/ < @2.2 /02 2Q74:7/(13 1% 0192 5 739 8)' /02 ?2.(4735' 739 /02 41352I:23/ >(39 (3;' (3 /02(.' ?(395 1% 8(//2.' %22 (3;5 1% 73(?15(/)' 7;7(35/ /02(.' 32@ 7 (25' 3 /02 /1@3 1% 15/13' ?1.2 25H24(7)' 5:40 @75 /02 2M75H2.7/(13 1% (/5 527%7.(3;' H1J H:7/(13' @023' 97)' 7%/2.' 97)' 739 3(;0/ 7%/2.' 3(;0/' /02)

U@(/325529 / (2 H.1Q1>(3; 5H24/74 2 1% .234> 57(1.5 1:3;(3; 781:/ /82(. 5/.22/5 739 57:3/2.(3; (3/1 /02(. H 7425 1%7?:52?23/ /07/ 51?2 52.(1:5 .(1/5 @2.2 /02 413J 52I:2342 @0(40 8:/ %1. /02 G:9(4(1:5 H.247:/(135 791H/29 8) /02 7:/01.(/(25 ?(;0/ 07Q2 29 /1 ;.7Q2 H1 (/(47 .25: /5 = 5/7(3; 31@ /:.329 0(5 7//23/(13 /1 /02 .(/(50 D 25/ 39(7 5 7395 132 1% @0(40 1?(3(47 079 70279) 5:.R B.2/k92.29 /1 7 .2340 %1.42 41??73929 8) /02 7.I:(5 92 1:(W 1Q2.31. 1% 7./(3(41 (342 /023 01@2Q2. 7?H 2 7?2395 079 8223 ?792 /1 /02 .(/(50 %1. (/5 155 8) /02 47H/:.2 1% / :4(7 %.1? /02 .2340 / 079 8223 7 %7Q1:.(/2 /021.) 1% /07/ ;.27/ 37Q7 41??7392. (. 21.;2 1932) /07/ 75 13; 75 .27/ .(/7(3 413/(3:29 %1.?(978 2 13 /02 14273 /02 H155255(13 1% /07/ (?H1.J /73/ (5 739 @1:9 524:.2 /1 02. /02 51Q2.2(;3/) 1% /02 D 25/ 39(25 F 0(5 413Q(4/(13 02 079 5:4422929 (3 (?H.255(3; 13 /02 .(/(50 (3(5/2.5 739 413521:23/) (3 1829(2342 /1 1.92.5 .242(Q29 %.=1? 3;739 (. 23.) (3/13 079 925H7/4029 /1 / :4(7 7 4135(92.78 2 ?((/7.) %1.42 @0(40 5:HH1./29 8) 7 5?7 51I:79.13 :392. /02 41??739 1% 27. 9?(.7 7..(3;/13 079 @(/0 (// 2 9(%%(4: /) 2%%24/29 /02 .29:4/(13 1% /02 (5 739 02 23/2.J H.(52 01@2Q2. 079 8223 7441?H (5029 31/ 7 97) /11 5113 02 /.11H5 079 547.42) 7441?H (5029 /02(. 739(3; 739 47..(29 /02 79Q73429 H15/5 1% /02 232?) @023 /02 %1.J ?(978 2 % 22/ 1% = 5/7(3; 7HH27.29 (3 5(;0/ 9?(.7 7..(3;/13=5 5I:79.13 4135(5/29 1% 13) /0.22 50(H5 1% /02 (32 739 51?2 %.(;7/25)2/ 51 G:9(4(1:5) 079 02 2M/23929 /02? 74.155 /02 23/.7342 /1 /02 47.2237;2 739 :392. /02 H.1/24/(13 1% /02 87//2.(25 /07/ @023 = 5/7(3; 81.2 91@3 :H13 0(? KQ.(/0 /@2 Q2 57(1% /02 (32 02 %1:39 /02 .(/(50

$ '94)-(:* ' >D =5 : ' % ') ' ' ') ' -) -... =9 6 * ' 6 -. B - 5 6 7 * -) 9 6)- 5 3) ' > %6) @)9 / $ ' " #0 ' / =: 6) ' (= ') () ') & ' =9 6 ' (.6 ' / ' >) . - ' -) % ') $ ' ' 6 ' % -) E-) ' =9 6 -) 9 5+)- .

‘ 1 ‘ ‘ ‘ ‘ (

H15(/(13‘ 51‘ 5/.13;‘ 739‘ /02‘ .242H/(13‘ 02‘ ?2/‘ @(/0‘ @75‘ 51‘ @7.?‘ 75‘ /1‘ 41?H2‘ 0(?‘ /1‘ .2/(.2‘ -= 5/7(3;=5‘ 32M/‘ 5/2H‘ @75‘ /1‘ 9(52?87.>‘ %(Q2‘ /01:5739‘ 51 9(2.5‘ 7/‘ 731/02.‘ H7./‘ 1%‘ /02‘ (5 739‘ 7/‘ @0152‘ 0279‘ 02‘ 29‘ 7‘ ;7 73/‘ 7//74>‘ 13‘ /02‘ .(/(50‘ (325‘ 3‘ 739‘ 01@2Q2.‘ 02‘ ?2/‘ @(/0‘ /02‘ 57?2‘ 92/2.?(329‘ .25(5/7342‘ @0(40‘ 079‘ 1HH1529‘ 0(?‘ 13‘ /02‘ @7/2.5‘ @02.2:H13‘ 925H7(.(3;‘ 1%‘ 82(3;‘ 78 2‘ /1‘ 47..)‘ 1:/‘ /02‘ 1.92.5‘ 1%‘ 0(5‘ 1Q2.3?23/‘ 02‘ .2R2?87.>29‘ 0(5‘ /(=11H5‘ 739‘ H:/‘ 874>‘ /1‘ 527‘ 27Q(3;‘ /‘ :4(7‘ /1‘ (/5‘ %7/2

D0(2‘ /0252‘ 2Q23/5‘ @2.2‘ H755(3;‘ 13‘ /02‘ 1/02.‘ 5(92‘ 1%‘ /02‘ /73/(4‘ 015/((/(25‘ 079‘ 41??23429‘ 13‘ /02‘ 0(;0‘ 5275‘ 327.2.‘ 01?2‘ /‘ /0(5‘ H2.(19‘ /02‘ 40(2%‘ .2 (7342‘ 1%‘ .27/‘ .(/7(3‘ %1.‘ 2547H2‘ %.1?‘ %1.2(;3‘ (3Q75(13‘ 739‘ %1.‘ /02‘ H.1/24/(13‘ 1%‘ 02.‘ 01?2@7.9‘ 41??2.42‘ 7)‘ (3‘ /02‘ ;7 73/.)‘ 739‘ 2%%(4(234)‘ 1%‘ 02.‘ 07332‘ %22/‘ 3‘ /02‘ 57%2/)‘ 1%‘ /02‘ 07332‘ %22/‘ 57(9‘ 1.9‘ 02 8:.32‘ (3‘ /02‘ 1:52‘ 1%‘ 1.95‘ 92H23929‘ /02‘ 57 Q7/(13‘ 1%‘ /02‘ 41:3/.)‘ 02‘ 9?07‘ @01‘ @75‘ 52 24/29‘ 8)‘ /02‘ (3;‘ 739‘ 78(32/‘ /1‘ 41??739‘ /0(5‘ (?H1./73/‘ %1.42‘ @75‘ 9?(.7‘ 7%/2.@7.95‘ 1.9‘ 2HH2‘ 73‘ 1%%(42.‘ @01‘ /01:;0‘ 7HH7.23/)‘ H155255(3;‘ 8:/‘ %2@‘ 4 7(?5‘ /1‘ 1.(;(37 (/)‘ 1%‘ ;23(:5‘ @75‘ 32Q2./02 255‘ 31/‘ 13)‘ 7‘ 8.7Q2‘ ?73‘ 739‘ 7‘ /01.1:;0‘ 527?73‘ 8:/‘ @75‘ 2391@29‘ @(/0‘ /07/‘ ?15/‘ 25523/(7‘ I:7 (%(47/(13‘ (3‘ 7‘ 37Q7‘ 1??7392.‘ (3‘ 0(2%‘ /02‘ %74:/)‘ 1%‘ 41?H 2/2)‘ 25/78 (50(3;‘ 0(?52 %‘ (3‘ /02‘ 7%%24/(135‘ 739‘ 413%(92342‘ 1%‘ 0(5‘ 1%%(42.5‘ 739‘ ?23 -2.07H5‘ 079‘ /02‘ 401(42‘ %7 23‘ :H13‘ 1932)‘ (/@1:9‘ 07Q2‘ 8223‘ 82//2.‘ %1.‘ /02‘ %7?2‘ 739‘ (3/2.25/5‘ 1%‘ /02‘ 41:3/.)‘ 8:/‘ 75‘ 1932)‘ 079‘ 31/‘ 75‘)2/‘ 740(2Q29‘ /02‘ ;.27/‘ Q(4/1.)‘ @0(40‘ 075‘ .2392.29‘ 0(5‘ 37?2‘ 51‘ ;1.(1:5‘ (3‘ /02‘ 7337 5‘ 1%‘ 0(5‘ 41:3/.)‘ /02‘ 52 24/(13‘ 1%‘ 2HH2‘ @1:9‘ 547.42)‘ 522?‘ /1‘ 07Q2‘ 8223‘ 51‘ :3G:5/‘ 739‘ :3@(52‘ 7‘ H.14229(3;‘ 75‘ (/‘ 075‘ 8223‘ 51?2/(?25‘ .2H.2523/29‘ 1.21Q2.‘ 75‘ 2HH2‘ @75‘ 31/‘ 13)‘ 7‘ D0(;‘ 2?82.‘ 1%‘ -7.(7?23/‘ 8:/‘ 73‘ :3J 5H7.(3;‘ 739‘ 5)5/2?7/(4‘ 1HH1323/‘ 1%‘ 1Q2.3?23/‘ /02‘ %74/‘ 1%‘ /02‘ 1.)‘ (3(5/2.5‘ 1%‘ /02‘ 97)‘ 07Q(3;‘ 52 24/29‘ 0(?‘ /1

21?? 739 /02 07332 % 22/ (35/279 1% 82(3; 9(54.29(/78 2 /1 /02? @1: 9 .7/02. 522?/ 1 91 /02?/ 0131:.

3 /02 !*/0 1% :32 2HH2 @2(;029 73401. @(/0 /@23/)R132 50(H5 1% /02 (32 :392. 0(5 41??739 @0(40 @2.2 5:8521:23/)(34.27529 /1 /@23/)R/0.22 (5 H.(3RP 4(H7 (35/.:4/(135 @2.2 /1 H.2Q23/ /02 G:34/(13 1% /02 /@1 .2340 51:79.135 @0(40 @2.2 52Q2.7)% (//?; 1:/ 7/ 1:13 739 .25/X 31/ /1 .(5> 73 74/(13 (% 02 4135(92.29 /02 %1.42 1% /02 232?)9(5H.1H1./(137/2)5:H2.(1. /1 0(5 1@3X 739 75 N/02 H.(34(H7 18G24/ 1% 0(5 47.2 739 7//23/(13 0 /1 >22H /02 527 4 27. 820(39 0(?51 75 (3/02 2Q23/ 1% 2?2.J ;234) /1 82 78 2 /1 H.1/24/ /02 501.25 1% .27/ .(/7(3 739 .2 739 1. 51?2 /(?2 7%/2. 27Q(3; / 2 23=5 /02 1%%(42.5 739 ?23 1% 0(5 % 22/ 079 8223 73M(1:5)13 /02 11> 1:/ %1. /02 232?) @023 7/ /02 23/.7342 1% /02 7) 1% (547) /02.2 7HH27.29 (3 5(;0/ /@1 .2340 %.(;7/25 /02 N 2 1 1:2 0 739 N (41?2 0 @0(40 75 (/ 7%/2.@7.95 7HH27.29 079 8223 523/ /1 01Q2. 781:/ /02 .(/(50 % 22/ (3 1.92. /1 9(541Q2. (/5 (3/23/(135 739 3:?2.(47 5/.23;/0 D7. 75)2/ 079 31/ 8223 %1.?7)924 7.29 82/@223 .7342 739 .27/ .(/7(3 739 413521:23/)2HH2 %1:39 0(?52 % 5:9923)H 7429 (3 7 H15(/(13 1% 027Q)5.25H135(8((/) 1 40752 739 47H/:.2 /02 Q2552 5 (3 5(;0/ ?(;0/ 23/7(:H13 0(?/02 407.;2 1% 07Q(3; H.24(H(/7/29 7 ;.27/ :.1H273 @7. X @0(2 13 /02 1/02. 0739 (% 02 7 1@29 /02?/ 1 2547H2 02 .(5>29 /02(. 47..)(3; (?H1./73/ (3%1.?7/(13 /1 /02 232?) @01 ?(;0/ /0:5 8.(3; /1 827. :H13 0(?7 % 22/ %7. 5:H2.(1. /1 0(5 1@3 1Q2.3?23/ (/ 501:9 82 5/7/29 079 31/ 13)8223 :378 2 /1 7%%1.9 0(?73)744:.7/2 (3%1.?7/(13 .25H24/(3; /02 5/.23;/0 1% /02 232?) % 8:/ (/ @75 7 51 (35(5/29 8)/02 232?(25 1% 9?(3(5/.7/(13 /07/

$ 4 B 5 5 7 * -) F % :' ' ' ' ' ' DK) DN 56) '(=,, '' &, ') *) - :' 5 - :') ') 5 (' -) '%, 5 6 ; :& 5 HI-)5 ' ' ( ) 6) : 6 - 9 5 B - ! > ' 6 * 5 6) > '(' (% - ' (-) '%, " 6,) - 5 6,J7 ' -) 9 6, -, %6 5 , : ' ,- "4 .) '(6) ') -- ,

/02 9?(.7 /) 2(/02. %.1?47.2 2553255 1. @(/0 /02 92J (82.7/2 18G24/ 1% 50(%/(3; .25H135(8((/) %.1?/02(. 1@3 501: 92.5 079 9(Fj@? :H 0(5 (35/.:4/(135 @(/0 .2H.2023J 5(8 2 1854:.(/) F 392./02 4(.4:?5/73425 2HH2 791H/29 /02 81 925/ 7 /2.37/(Q2 1% /02 /@1 02 N (%1.90 %.(;7/2 @75 5(;37 29 /1 40752 /02 N (41.32 0 739 /02 N .2/0:570 /02 N 2 2 -1:2 0 02 j//2. Q2552 7%/2. 7 @7.?23J ;7;2?23/ (3 @0(40 /02 N .2/0:570 5:%%2.29 52Q2.2 2547H29 8) .:33(3; (3/1 7 5?7 87) 5:(1:3929 8) .14>5 %.1? @0(40 13 /02B%1 1@(3; ?1.3(3; 502 @75 /1@29 1:/ 1% .274 0 1% /02 .(/(50 % 22/ 02 N (41.32 0 @75 255 %1./:37/2 7Q(3; 8223 47H/:.29 8) /02 N (%1.9y 502 @75 H 7429 7 13;5(92 /02 N ?2.(47 0 41??73929 8) 1.9 13;%1.9 @0152 5/.(4/ 1.92.5 @2.2 /1 >22H 7 47.2%: @7/40 1Q2. 0(5 407.;2 :.(3; /02 3(;0/ 31 7//2?H/ @1:9 522?/1 07Q2 8223 ?792 8) 02./1 2547H2 3 /02 %1 1@J (3; ?1.3(3; 01@2Q2. 75 1.9 13;%1.9 @75 5/739(3; 13 /02 ;:3@7 2 1% 0(5 50(H 413Q2.5(3; 13 %.(239)/2.?5 @(/0 02. 47H/7(3 02 H2.42(Q29 /1 0(5 5:.H.(52 /07/ /02 N (41.32 0 @75 ?7>(3; H.2H7.7/(135 %1. 52//(3; 57(X 739 7441.9(3;) 07Q(3; (3 Q7(3 .2?135/.7/29 @(/0 /07/ 1%%(42. 13 /02 H.1J 429:.2 02 1.92.29 7 ;:3 /1 82 %(.29 74.155 02. 81@ 75 7 @7.3(3; /1 02. /1 925(5/ 1 0(5 ;.27/ 75/13(50?23/ 739 /1 /07/ 1% 0(5 4.2@ /02 .234 0 %.(;7/2 .2H(29 8) /02 9(5407.;2 1% 7 @01 2 8.1795(92 (3/1 /02 N ?2.(47 0 7441?J H73(29 8) /02 7 ?15/ 5(?: /7321:5 5/.(>(3; 1% 02. 41 1:.5 79 1.9 13;%1.9 %(.29 (3/1 739 5:3> 02. 02 @1:9

55 6, .6 -, 5 7* - %) K> 6 :; 6 6) '(-,) '9 ' *) '' 6) .'%6) 5 -%, >). , , , L . , %, LL :& 5, -)5 '4. @3 @, * -. C + * . I C 7 L $ 6, 5 > '(, L -) %, 5- * , 4 ' - - % ' ' % - . :) . : .6 > , '(, 6), 6, % ' (, %9 5 6 5 > '(, 5 -) %, 5 6 * ., 5 >) %6, =9 6, ' * 94 5- () , 6) 5 6, %6)-(, 5 6, =) , ' ' 6 > 5)- 6, %6)-(, =- :(6)() ' 6)), . 6, -,) , - *, ;,) , >), > , * - , ' -) ' (6 . > ' N ; < ' %)) 9 -, %6 5- () , , 5 >)- . 6 :) , ' : , 6, -) ,)- = ; >) %6 '(9 : - * ' 9 :) -) = (, 6, * , . .) ' 6, - -, 5 : .) ., Q, 6, *), ., 6, * ' 9 : ( ) ' ? 8 E 5 #& 4 Y) 8 H / P

91:8/ 255 07Q2 8223 G:5/(%(29 X 8:/ @(/0 8241?(3;0:?73(/) 02 413/23/29 0(?52 % @(/0 5239(3; 02.:392./02 5/2?1% /02 1??7392.(3 0(2%5%7;50(H /02 N (4/1.) 0

9?(.7 2HH2 @75 5/((3 7 H7(3%:5/7/2 1%:342./7(3/) (3 .2;7.9 /1 /02 5/.23;0 1% /02 232?) @023 %1./:37/2) 731/02. .2340 %.(;7/2 /02 N-7 75 0 %2 (3/1 0(5 H1@2. 2.H7H2.5%:.3(5029 0(?@(/0 /02 (3%1.?7/(13 02 .2I:(.29 02 .2340 %22/ (/ 7HH27.29 3:?82.29 75 ?73) 75 /0(./)R/@1 57(1% /02 (32 7%1.42 51 5:H2.(1./1 /07/ 1% /02 .(/(50 /07/ 2HH2 P (35/279 1% .(5>(3;73 23;7;2?23/ 4135(92.29 (/ 0(5 9:/) /1 .2/:.3 /1 3;739 2.2 02 .2?7(329 /(/02 ,/0 1% :) @023 @(/0 /@23/)R%1:. (32 1% 87// 2 50(H5 :392. 0(5 41??739 @0(40 @2.2 501./) 7%/2.@7.95 (34.27529 /1 /0(./) 0W 7;7(3 52/ 57((3 527.40 1% /02 232?))/0(5 /(?2 /02 .2340 %22/ 41??73929 8) 1:3/ 9= .Q((2.5 739 31@ 5:H2.(1./1 MO7/ 1% 2HH2 8) 13)/@1 50(H5 1% /0W (3WX 0h9 7 51 H:/ /1 527 739 13 /02 +L.9 01Q2 (3 5(;0/ 1% /0W .(/(50 %1.42 1%% 5073/ 02 23;7;2?23/ @0(40 %1 1@29 @75 132 1% /02 ?15/ :357J /(5%74/1.) 739 (3924(5(QW 3 .241.9 %/2. ?7312:Q.(3;%1. %1:. 97)5 739 7%/2. 73 74/(13 1% /0.22 01:.5 (3 @0(40 32(/02.H7./) 15/ 7 5(3;2 50(H /02 /@1 %22/5 52H7J .7/29 %1. /02 3(;0/ D((3;) (/ (5 57(9 @1:9 2HH2 07Q2 .232@29 /02 74/(13 13 /02 %1 1@(3;?1.3(3; 8:/ /02 .2340 079 /7>23 79Q73/7;2 1% /02 97.>3255 /1 .2J /.27/ /1@7.95 /02(. 1@3 H1./5 739 @023 97G 97@329 /02(. %22/ @75 327.) 1:/ 1% 5(;0/ 2HH2 =5 50(H5 07Q(3;5:%%2.29 4135(92.78 2 (3G:.) (3 /02 74/(13 31 7 /2.37/(Q2 @75 2%/ 0(?8:/ /1 47..) /02?874> /1 3;739 %1. .2H7(.

02 H7./) 5I:788 25 739 52352 255 H1H:7. .(1/5 @0(40 @2.2 /02 41352I:23425 1% /0(5 ;.27/ 37/(137 9(57HH1(3/J ?23/< /02 407.;25 1% .3(54139:4/R 739 32;24/ 8.1:;0/ 7;7(35/ 2HH2 8) 0(5 /0(.9 1%%(42.(3 41??739 (42 9?(.7 (. :;0 -7 (52.< /02 41:3/2.R407.;25 8.1:;0/ 8) 2HH2

P ' S* Z ' +' ' ! ' ! A" +LV

7;7(35f -7 (52.' 739' /02' 41:./5R?7./(7' 41352I:23/)' 02 9' :H13' 2740' 1%' /0252' 2?(323/' 37Q7' 1%%(42.5' 7.2' ?7//2.5' @0(40' .2I:(.2' 31' 23;/02329' .247H(/: 7/(13' D02/02.' 2(/02.' 1.' 81/0' 1%' /02?' @2.2' 8 7?2 255' 7.2' I:25/(135' (3' @0(40' H15J /2.(/)' /7>25' 8:f' (// # (3/2.25/' 1:8/ 255' (3' /02'G:9;?23/f 1%' /0152' @01' 9(%%2.29' @(/0' /02?' (3' H1 (/(45' /02' 40(2%4.(?2' 1%' /02' 132G 7)' (3' 0(5' 82(3;' 7' 1.)' 739' 01 9(3;' 1%%(42' 739' /07/f 1%' /02' 1/02.' (3' 0(5' 82(3;' 7' D0(;' 739' 73' 75H(.2.' 7%/2.R H 742' -7 (52.' @75' 7' 1.9' 1%' /02' 9?(.7 /)' 739' 7' 5/7:340' 5:HH1./2.' 1%' 1.9' 1./0' (3' /02' 1:52' 1%' 1.3?135' @02.275' 2HH2 ' 75' 075' 8223' 7 .279)' 5/7/29' @75' 31/f 13)' 7' D0(;P' 8:f' 7' 9(5/(3;:(5029' 739' %1.?(978 2' 1HH1323/f 1%' /02' '1Q2.3J ?23/' 3' /02' 413/25/f 82/@223' /02' /@1' 9?(.7 5' 7 ?15/f 7 ' /02' 79Q73/7;2' 7)' @(/0' 2HH2 ' -7 (52.' @75' 5(?H)' /02' 513' 1%' 73' 1%%(42.' 1%' /02' (32' (3928/29' 23/(.2)' /1' 0(5' 1@3' 627' 739' ?2.(/f %1.' /02' 9(5/(3;:(5029' H15(/(13' @0(40' 02' %(29' 7/f /02' 0279' 1%' 0(5' H.1%255(13' 2HH2 ' 13' /02' 413/.7.)' @75' 413324/29' 8)' /02' /(25' 1%' 8 119' @(/0' ?73)' 1%' /02' ;.27/f D0(;' 1.95' @01' ?792' /02' 47:52' 1%' /02(.' >(35?73' /02' 47:52' 1%' HH15(/(13' /' 0(5' %7?1:5' /.(7' 13' 817.9' /02' N' .(/733(7'0' 7/f -1./5?1:/0' 02' @75' 41:3/2373429' 739' :H02 9' 8)' /02' H.252342' 1%' 31' 255' 9(5/(3;:(5029' H2.5137;25' /073' 0(5' 327.' 739' H1@2.%:' .2 7/(Q2' /02' :>2' 1%' (40J ?139' 8)' /07/f 1%' 7' 7/2' -.(?2' (3(5/2.' /02' 7.I:(5' 1%' 14>(3;07?X' 8)' /@1' -.(3425' 1%' /02' 119' /02' :>25' 1%' :?82. 739' 739' 1:425/2.X' 739' 8)' /02' %1:.' ?15/f 8.((73/f HH15(/(13' 5H27>2.5' (3' -7. (7?23/' :.>2' 1M' 02.(973' 739' .5>(32' 31/02.' 79Q73/7;2' H15525529' 8)' 2HH2' 1Q2.' 0(5' .(Q7' @75' /02' H1H:7.(/)' @0(40' 0(5' 23;7;(3;' ?7332.5' 739' ?73)' 7?(78 2' I:7 (/(25' 079' 18/7(329' %1.' 0(?' (3' /02' 1:52' 1%' 1?? 135' N' D2' 079')25/2.97) 0' @.(/25' ",%'((' 232.7' (/6H7/.(4>' /1' 1.9' 551.)' N' /02' ?15/f (3/2.25/(3;' 9287/2' ' 2Q2.' .2?2?82.' /1' 07Q2' 027.9' 02' 1:52' @75' Q(1 23/)' 9(5H1529' /1' 2HH2 ' @01' 5H1>2' (>2' 7' ?73' (3J 5H(.29' 739' 31' /11' @75' 81 9' 231:;0' /1' Q23/:.2' 132' @1.9

(3' %7Q1:.' 1% -7 (52.Ó F -7 (52.' (3' %74/' 079' 31' 407342' 7;7(35/' 0(5' ?1.2' 7.(5/14.7/(4' 739' 7/' /02' 57?2' /(?2' ?1.2B H1H:7.' .(Q7

Ú 07/' /02' HH15(/(13' 501:9' 07Q2' 51:;0/' /1' 413Q2./' (3/1' H1 (/(47' 47H(/7' /02' .2423/' @73/' 1% 5:44255' 13' /02' 5275' 8)' 50(%/(3;' /02' 8 7?2' (%' /02.2' @2.2' 73)' %.1?' /02' 501:92.5' 1% 2HH2' /1' /0152' 1%' /02' (3(5/2.5' @75' H2.07H5' 13)' @07/' @75' /1' 82' 2MH24/29' 441.9(3;)' (3' 739' 1:/' 1% -7. (7?23/' /02' (.5/' 1.9' 1% /02' 9?(.7/)' /02' 7.' 1% 739@(40' @75' 407.;29' @(/Ó /OW' ;.15525/' 739' ?15/' 4:H78 2' ?(5J ?737;2?23/' 1% 37Q7' 7%%7(.5X /02' 7//74>' 13' /02' 9?(.7/)' 7?1:3/(3;' 1% 41:.52' /1' 31/0(3;' ?1.2' 31.' 255' /073' 73' 7//74>' 13' /02' 1Q2.3?23/' 02' H:8(4' 92.(Q(3;' /02(.' 4:2' %.1?' /02' 5H224025' 92(Q2.29' (3' -7.(7?23/' 739' %.1?' /02' 7.;:?23/5' 739' (3Q24/(Q25' 1% /02' -.255' /11>' /02' H7./' 1% 132B1.' 1/02.' 1% /02' /@1' 9?(.7 5X /02' P27/' ?7G1.(/)' 924 7.(3;' (3' %7Q1:.' 1% /02' HH15(/(13' 9?(.7' 1/@(/0J 5/739(3;' /02' %(.5/' .2/:.3' 1% 2HH2' /1' H1./' 079' Q2.)' .24 23/)' 8227' 7//.(8:/29' /1' /02' ?15/' 9(5;.742%:' ?1/(Q25' 739' /07/' 02' 0(?52 % 079' 8223' /0.27/2329' @(/Ó /02' %7/2' 1% 9?(.7')3; % 02' @75' 31' 51132.' 4.(29' :H' 75' 7' ?7./).' /1' (3(5/2.(7'(3G:5/(42' /073' 02' 7/' 1342' 8247?2' /02' (91' 1% /02' H1H:742' -7 (52.' 13' /02' 1/02.' 0739' @75' >31@3' /1' 82' 0(;0)' .25H24/29' 8)' 0(5' 1Q2.2(;3' 739' 41352I:23/)' (/' @75' /7>23' %1.' ;.73/29' /07/' /02' (3;' ?:5/' 82' (3(?(47' /1' 2HH2' 1' -7 (52.' /02' @X.9' 7HH27.5' /1' 07Q2' 8223' 5(3;:7.)' :3G:5/' 1' 8.7Q2.' 527?73' 31.' ?1.2' .(;0/?(3929' ?73' H.1878)' 2M(5/29' /' /0(5' Q2.)' /(?2' 02' @75' 5:%%2.(3;' %.1?' /02' @1:395' @0(40' 02' 079' .242(Q29' (3' /02' 52.Q(42' 1% 0(5' 41:3/.)' X)2/' (%' (35/279' 1% 82(3;' 132' 1% 02.' ?15/' ;7 73/' 739' 78 2' 92%2392.5' 02' 079' 8223' 02.' 8(//2.25/' 232?)' 02' 41:9' 547.42)' 07Q2' 8223' 2MH1529' /1' %(2.42.' 739' 1:92.' Q(/:H2.7/(135' N' -2.07H5 Ó @.(/25' -7 (52.=5' 413/2?H1.7.)

$)-' A:.. 4.' @.* -).' 5 L' ' ' '
G ' %4.' B 5;' 57 *-)' F.%:'' ' ,' ' B' '/

(/)‘ 1%‘ 139H3‘ H.2523/29‘ 0(?‘ @(/0‘ (/5‘ %.2291?‘ (.‘ :;0‘ -7 (52.‘ @75‘ 8:.3/‘ (3‘ 2%(%(;)‘ 13‘ 1@2.‘ (B‘ 1/‘ 13)‘ 9(9‘ /02‘ ;.27/‘ D0(;‘ 79(25‘ 7HH27.‘ 7/‘ /02‘ 1H2.7‘ @(/0‘ 47H5‘ P‘ ‘)‘ 8:/‘ 8 :2‘ 414>7925‘ 027.(3;‘ /02‘ @1.9‘ N‘ 2HH2 0‘ @2.2‘ 7 ?15/‘ :3(Q2.57)‘ @1.3‘ (3‘ 13913‘ 3‘ 7 ‘ H7./5‘ 1%‘/02‘ >(3;91?‘ 7 201:52‘ 7%/2.‘ 7 201:52‘ 01(5/29‘ /02‘ 5(;3‘ 1%‘ /0W‘ 2P(H2=5‘ 279‘ 5‘ ?(;0/‘ 07Q2‘ 8223‘ 73/(4(J H7/2 9‘ /02‘ /@1‘ 3(;0/5‘ 13‘ @0(40‘ 13913‘ 739‘ D25/?(35/2.‘ @2.2‘ (:?(37/29‘ @2.2‘ 3(;0/5‘ 1%‘ H1H:7.‘ .(1/‘ ‘ -11.‘ (.‘ :;0=5‘ 81:52‘ (3‘ -7 ‘ 7 0‘ @.(/25‘ (.‘ 150:7‘ 2)31 95P N‘@7 B23/(.2)‘ ;://29‘ 739‘ (/5‘ 413/23/5‘ 8:.3/‘ (3‘ / ‘ 7?25=5‘ I 7.2 0‘F‘ -2.07H5 0‘ @.(/25‘ /02‘ (3;‘ /1‘ 1.9‘ 1./0‘ N/02.2‘ 32Q2.‘ D75‘ 7‘ ?1.2‘ ;232.7‘ .:3F/073‘ 7;7(35/‘ H11.‘ (.‘ :;0‘ -7 (52. 0‘%‘ 1.9‘ 1./0=5‘ 01:52‘ 7 51‘ @75‘%1.4(8)‘ 23/2.29 B‘ N‘ ‘ 07Q2BG:5/‘ 027.9 0‘ @.(/25‘ /02‘ (3;‘ /1‘ 0(?‘ 13‘ /02‘ %1 1@(3;‘ 97)‘ N‘ 1%‘ /02‘ Q(1 23/‘ 7//74>‘ (3‘ /02‘ 3(;0/‘ 13‘)1:.‘ 01:52‘ @0(40‘ H.1Q(923/(7)‘ H.1Q29‘ 781./(Q2‘ 8)‘ /02‘ 74/(Q(/)‘ 1%‘ /02‘ ?((/7.) 0‘(% 1.9‘ :/2‘ 739‘ 1.9‘ 21.;2‘ 2.?7(32‘ 079‘ /02(.‘ @(391@5‘ B8.1>23‘ 02‘ (.13‘ ;7/25‘ (3‘ %.13/‘ 1%‘/02‘ 9?(.7 /)‘ 41:./R)7.9‘ @2.2‘ @.234029‘ %.1?‘ /02(.‘ 0(3;25‘ 02‘ 1%%(4(7‘ .25(923425‘ 1%‘ 1.9‘ 739@(40‘ 739‘ 1%‘ 731/02.‘ 1.9‘ 1%‘/02‘ 9?(.7 /)‘ 1.9‘ (58:.34G‘ @2.2‘ 7//74>29‘ 739‘ /02‘ /@1‘ 1.95‘ %1.429‘ /1‘ ?7>2‘ /02(.‘ 2547H2‘ 75‘ 825/‘ /02)‘ 41:9

/‘ @75‘ ?1.2‘ /073‘ 0(3/29‘ (3‘ /02‘ 32@5H7H2.5‘ 1%‘/02‘ 97)<‘ 739‘ /02‘%74/‘ 075‘ 5(342‘ 8223‘ H.1Q29‘ 82)139‘ 7‘ 91:8/</07/‘ 7?13;‘ /02‘ .(1/2.5‘ @2.2‘ ?1.2‘ /073‘ 132‘ H2.513‘ 1%‘9(5/(34/(13‘ 739‘ 8(./0‘ N‘ ‘ 79)‘ 1%‘ .73>0‘ @.(/25‘ 7H/7(3‘ .23/13 e‘ N‘755:.29‘ ?2‘ /07/‘ 502‘ 74/:7)‘ 57@‘ .‘ -(//B 8.27>‘ 02.‘ @(391@5 0‘ ?13;‘ /02‘ ?18‘ @0(40‘ 7//74>29‘ /02‘ 9?(.7 /)‘ @2.2‘ 07.25‘ 1M‘ @01‘ 079‘ .2423/)‘ 8223‘ 7‘ ?2?82.‘ 1%‘ (/5‘ 17.9‘ 739‘ .‘ 0I?75‘ .23Q(2‘ 7%/2.@7.95‘ (.5/‘ 1.9

$‘ ,‘ ,F.‘B5,‘ 57 *-)‘F.‘ :-‘ ,‘ ‘ ‘ ‘

]‘ 1.9‘ .1:;07?=5‘ /7/25?23‘ 1%‘P 2‘ (?2‘ 1%‘ 21.;2‘ L‘ Q1 ‘ ‘ H‘ !+,‘ 9(/(13‘ 3 !"V"

\‘ ‘5 #$ H‘ !+" R E-%‘ ‘4.‘B5,‘ 56,‘)-‘ 53‘F ‘%,‘ ‘ ‘ ‘

@ @ 3 ! B 7 "

(34((38.1>2 H2.%24/) @2 7@7.2 /07 /02 :3.(Q7 29 513;5/.255 /1 @01?/02) (5/2329 @75 /0i H7.7?1:.1% /02(. 015/ 739 /02 ?1/02. 1% 0(5 40(9.23_ 73))27.5 079 H75529 7@7) 5(342 /0(5 (R%7/29 @1?73 /023 7)1:3; ;(. 1% 5(M/223 079 8223 (39:429 8) 1.9 739@(40 /1 7873913 02. H.1%255(13 75 7 ?73/:7R?7>2. (3R 7Q(5/14> /.22 1Q23 7(=923 7/(.2 079 2391@29 02. @(/0 73 2MI:(5(/2 /75/2 739 27. %1. ?:5(4 @0(40 02. 318 2 R 1Q2. 5H7.29 31 415 (3 4:/(Q7/(3;B 02 @75 K7 %7Q1H.(/2 H:H(1% (7.9(3(7.;2 5:?5 8% ?132) 079 8223 1%%2.29 /1 /2?H 02. /1 5(3;1 /02 5/7;2 2. H2.%1.?73425 (3 /02 H.(Q7/2 /027/.(47 5 732% 1.7/1.(15 7 (34((38.1>2 B 2M4(/29 32Q2.R %7((3;79?(.7/(13 B 2. 2M24:/(13 1% /02 %(32 7(. (3R 2H0/070R RN .(;0/2. 542325 522> 781Q2 0 (5 57(9 /1 07Q2 8223RH2.%24/(13 R

OW /.7;(47 %7/2 1% (55 7) (5 @2 >31@3 M74/) 5(M @22>5 7%/2. 02. %(;0 @(/0 1.9B 739@(40 %.1?/02 9?(.7 /) /1/02 1.52 :7.95 502 @75 5:9923) 92H.(Q29 1% 82(3;8) /02 0739 1% 7)1:3;4 2.;)?73 1% /02 37?2 H. ,1% 74>?73 @01 P01 02. /0.1:;0 /02 0279 :392. /02 -(7667 1% 1Q23 7.923 G:5 75 502 @75 781:/1 23/2. 02. 47..(7;2 7 /02 4({52 1% /02 /027/.(47 B H2.%1.?73425 73(/) (/ @1:9 522?079 %1.?2.) (39:429 74>?73 /1 I:(/ 7 925>(3 7 ?2.4073/=5 1%%(42 %1./02 ?1.2 501@) H.1J %255(13 1% 7.. 5 7HH23(3;@023 7 (2:/2373/ 1% /02 5(M/) R 2(;0/0 .2;(?23/ /1 82 (H 41??739 1% 7 .24.:/(3;H7./) (3 :3/(3;913500R2 1.9 739@(40 (3Q(/29 0(?/1 (340(3R 8.1>2 @02.2 02 8247?2 H755(137/2) 237?1:G.29 1% 0(5 %:/:.2 Q(4/(? @01?B 02 (3 Q7(3 51 (4(/29 /1 8241?2 0(5 @(%2 2 31@ I:(//29 /(2 7.?) %1. /02 40:.40 739 07Q(3;18/7(329 /02 (Q(3;F 1% D(Q2./13 (3 1.%1> .2H27/29 0(5 H.1H157 5 8:/ (3 p(2 @1.95 1% 7 413/2?H1.7.) 8(X1/02.R4 2.;)?73 02 @75 :378 2 N /1 8339 /02 (3% 2cX(8 2 %7(.=(3 7 8 74> 417 ?1.2 /073 (3 7 .29 OHB R 2(3; :378 2 /1 (Q2 @(/0 02. 02 %2 /

(; , "-)-',- $ +0 # 0 /

/ 7/' 02' 41: 9' 31/' (Q2' @(/01: /' 02.' 441.9(3;)' 13' /02' 3(;(/' 13' @0(40' /02' .:2' 47/75/.1H02' 144:..29' 02' 079' %1 1@29' 02.' /1' /02' /027/.2' @(/0' /02' (3/23/(13' 1%' 925/.1)(3;' 0(?52 %' (3' 02.' H.252342' 739' 0(?52 %' 13)' @023' H2.42(Q(3;' 02.' 7442H/(3;' @(/0' 7HH7.23/' 7/(5%74/(13' /02R 7//23/(135' 1%' 7')1:3;' .(50' 87..(5/2.' 1%' /02' 37?2' 1%' 7437?7.7' 02' @75' 52(629' @(/0' 51' :3413/.1 78 2' 7' %(/' 1%G27 1:5)' 75' /1' 925H7/40' 02.' (3' /02' ?7332.' @0(40' 075' 8223' ?23/(1329' ' 524139' H(5/1 R501/X< @0(40 R82%1.2' /02' 8)5/7392.5' 079' /(?2' /1P' 7..25/' 0(5' 7.?' 02' %(.29' 7/' 0(5' 1@3' 0279<%7(29' /1' 82' %7/7' 739' 41352I:W3/)' 02' @75' 2%/' /1' 2MH(7/2' 0(5' 4.(?2' 13' /02' H.' 1' ;7 1@5' 7/')8:.3'

Ú 02' HH15(/(13' (3' /02' ?273' /(?2<(3/23/' :H13' (3Q1 Q(3;' 02' 1Q2.3?23/' (3' %(=250' 9(%%(4: /(25' 739' 9(54.29(/P <P@2.2' (3' 81/0' 1:525' 1%' -7. (7?23/' Q202?23/)' 23;7;29' (3' 7//74>(3;' (/' 13' 7' H1(3/' 13' @0(40' (/' @75' /01:;0/' /1' 82' /02' ?15/' Q: R' ' 32.78 2' /02' 7 2;29' ?(5?737;2?23/' 1%' 37Q7' 7%%7(.5F8)' 1.9' 739@(40' 739' 0(5' 8.1/02.' 1.95' 3%' /02' 9?(.7/)' 02' ?15/' %1.?(978 2' 7557(73/' 1%' /02' 9?(3(5/.7/(13' 13' /0(5' 14475(13' @75' 07.25' 1M' @01' (3' .2H27/29' ?1/(135' 31/' 13)' 407.;29' /02' :3H1H: 7.' 7.' @(/0' ;.155' (341?H2/234)' 739' 4.(?(37' 32; 21/' 8:/B 2Q23' @23/' 51' %7.' 75' /1' ?1Q2' 7' .241??2397/(13' /1' /02' (3;' /1' .2?1Q2' 0(?' %.1?' 0(5' 41:34(5' 739' H.252342' ' %1.' 2Q2.' 1@2Q2.' 879' 7' ?73' 1.' 879' 7' (3(5/2.' 1.9' 739@(40' ?7)' 07Q2' 8223' @2' 07Q2' 2Q(92342' 1%' /02' (3/2352' 73;:(50' 1%' ?(39' @(/0' @0(40' 02' 079' (5/2329' /1' /02' (3/2 (;2342' 1%' /02' ?:.92.' 1%' /02' ?1/02.' 1%' 0(5' 40(9.23' 739' 01@' 41?J H 2/2)' %1.' 7' /(?2' /07/' %.(;0/%:' 91?25/(4' /.7;29)' 81@29' 0(?' /1' /02' 27./0' 2/' (/' @75' 13)' %(Q2' 97)5' 7%/2.' 0(5' (R%7/29' H7.7?1:.' 079' 8223' 7(9' 8)' /02' 5(92' 1%' 02.' ?1/02.' (3' /02' ;.7Q2)7.9' 1%' /02' H2742%:' Q(7;2' @0(40' 079' ;(Q23' 02.' 8(./0 F' /07/' 1M' 1H2329' :H1H' /02' 8.1>23R027./29' (.5/' 1.9' 1%' /02' 9?(.7/)' 75' %(2.42' 7' /1..23/' B1%' (3Q24/(Q2' 75' @75' 2Q2.

H.' !,' (5/2329' /1' (3' / (2' 1:52' 1%' 1?? 135' 02' 7Q7' 2.Q(42' 02' (35(5/29' 079' 8223' 32; 24/29' (3' 2Q2.)' 132' 1%' (/5' 92H7./J ? 23/5B/02' /.275:.2' U@0(40' -7. (7P? 23/R079' Q1/29' /1' ?7(3R /7(3' (/5' 2%%(474)' 0P' 8223' H.1% (;7/2)' 51:7392.29X /02' 41:3/.)' @75' (3' 7' 507?2%/(()' 92%2342 255' 4139(/(13' 1M=5' ?1/(13' %1.' .2?1Q(3;' 1.9' 739@(40' %(R1?' /02' (3;=5' 41:34(5'=@75' 32;7/(Q29' 8)' 7' ?7G1.(/)' 1%' /@1' 0:39.29' 739' /@23/)' 132' /1' 132' 0:340B29' 739' 2(;0/223 F

' ; 11?(2.')27.' /073' /07/' 1%' !$$,' 075' 52 91?' 97@329' :H13' .27/' .(/7(3K' 3'B ?2.(47' 7 /01:;0' /02' @7.' 079' /1' 51?2' 2M/23/' 73;:(5029' /02' 2MH239(/:.2' 1%' 8 119' 7(39' /.27.' 5:.2' @75' 5/(' 4135(92.78 2' 1./0' 1%' /02' @229' /02' @(52' .2(31QB7' 1%' 42./7(3' 9(578((/(25' %.1?' /02' 1?73' 7/01 (45' 079' 29' /1B%1.?(978 2' 9(5/:.873425' (3' /02' 4(/(25' 1%' 9(38:.;0' 739' H.75;1@' 3' /02' ?73:%74/:.(3;' 9(5/.(4/5' 1%' 3;739' /02' (3/.19:4/(13' 1%' .>@(;0/=5'=@1392.%:' ?24 (73(47' 413J /.(Q7342' /02' 41//13R%.7?2' 079' 14475(1329' 31' B 255' 52.(1:5' .(1/5' ' .2 739' @75' (3' 7' %2.?23/' 13' 7441:3/ 1%' /02' .25/(4R' /(137'@0(40' 5074> 29' 02.' /.792' K .27/' .(/7(3' @75' 23;7;29' (3' 015/((/(25' @(/0' 02.' 327.25/' 739' ?15/' H1@2.%:' 32(;081:.' 02' (3;' @75' :3H1H:7.' 739' 0(5' (3(5/2.5' @2.2' 92/25/29' :/' 97.>' 75' U@75' /02' 'H1 (/(47' 01.(613' 5/(' 97.>2.' 4 1:95B' :32!$' @2.2' ;7/02.(3;' (3' /02B9(5/7342' :9923)' (/' @75' 7331:3429' 8)' 7' .1)7' ?2557;2' /1' 81/0' 1:525' 1%' -7. (7?23/' /07/' /02' H73(50' ?8755791.' /02' 1:3/' = 3(191Q7.' 079' 92 (Q2.29' 7' ?73(%25/1' /1' 1.9' KD2)?1:/0' @0(40' @75' /73/7?1:3/'=/1' 7' 924 7.7/(13' 1%' @7.' 739' 079' I:(//29' /02' >(3;91?' @(/01:/' N' /7>(3;' 27Q2' 0' 1%' /02' (3;' 1 739' /11' (/' @75' 2Q(J 923/' @1:9' 51132.' 1.' 7/2.' 8241?2' 7' /0(.9' H7./)' (3' /02

BF' 33:7' 2;(502.' %1.' !$/,' H' !L$' D02/02.' 1.9' 739@(40' ?2.(/29' 07' %' /02' 18 1I:)'@0(10GR7/' /0(5' /(((1' P75' 027H29' :H1((0(?' (3' 739' 1:/' 1%' -7. (7(%(.23/' ?(;0/' 82' %7(.)'H2.07H5' 47 29' (3 I:25/(13' 1?2')27.5' 5(342' /02' H.2523/' 7.' 9(9' /02' 7:/01.' /0W' %7Q1:.' /1' (3%1.?' 0(?' /07/' (/' @75' (3' 413/2?H 7/(13' /1 H:8 (50' 7' 92%2342' 1%' 0(5' ;.27/R;.739%7/02.B5' 4139:4/' 739 75' 5:40' 7' @1.>' @1:9' H.1878)' 82' /02' ?2735' 1%F' 37>(3;' /02' H:8 (4'B74I:7(3/29' @(/0' ?73)' (3/2.25/(3;' :3H:8 (5029' H7H2.5' (/' (5' /1' 82' 01H29' /07/' /02' (3/23/(13' ?7)' 2/' 82' 47..(29' (3/1' 2%%24/

7 (7342' 7;7(35/' .27/' .(/7(3' 3' /0(5' 7 7. ?(3;' 5/7/2' 1%' 7%%7(.5' /02' (3;' 75' @(' 82' 5223' 8)' /02' %1 1@(3;' (3/2.25/R_' (3;' 2//2.' @75' /02' %(.5/' /1' h2/' m3' 2M7 ?G(2' 1%' /07/' 79?(.78 2' .251 :/(13' 739' 413%(92342' (3' -.1Q(92342P' P0(40' q2Q2.' %7(29' /1' 9(5/(3;:(50' 0(?' 13' 2Q2.)' 14475(13' 1%' H2.5137' 1.' H1 (/(47' H2.(' <

' 8 ' #Y) ' - ,4 *#

K)L 3& M @./a !$(' !$$, RV H/ ((' H

P N 1.9' D2)?1:/0' ^ U" ^ U

N' '079' 1.92.29' /02' 4 2.>=/1' ?7>2' 1:/' 75' 41.524/' 7' (5/' 75' H155(8 2' 1%' /02' /@1' (Q(5(135' 7' (/' (5' 0(;0)' ?7/2.(7' /1' >31@' 01@' H2.5135' 07Q2' 74/29' 13' /02' ?15/' 52.(1:5' 4.(5(5' /0(5'37/(13'K2Q2.' >32@' '%22' /02' 7.9:1:53255' 1%' /02' /75>' (?H1529' 10' B?2' 8:/' /07/' 13)' .1:525' ?2' /1' 91' ?)' :/?15/' /1' .254:2' ?)' 41:3/.) P' /' (5' 73' 01:.' /07/' .2I:(.25' 2Q2.)' 2M2./(13' 25H7(.' 501: 9' B32Q2.' 82F' 07.81:.29' 8:/8)' /0152' @01' 97.2' 31/' 2M7?(32' /07/' (3@7.9' 13(/1.' @01' 47331/' R9(5;:(52' /02' /.:/0' 79' ' 31/' 5223' /02' @(4>29' 413J 9:4/' 02 9' 8)' /02' HH15(/(13' ' 501: 9' 32Q2.' 07Q2' 82 (2Q29' 73)' ?73' 81.3' (3' /0(5' (5 739' @1: 9' 07Q2' 7Q1(929P' 7/' 5:40' 73' 01:(' 475/(3;' 1%%' 2Q2.)' (34 (37/(13' 8:/' /07/' 1%' ;(Q(.(;' 41.9(7' 5:HH{./(' :/' '1@3' 2MH2.(2342' 075' ?792' ?2' 31/' 5:.H.(529' 7/' /02' /.73574J /(135' 1%' /0(5' 97)' 02'RH7H2.5' @(' 42./7(3)' 82' ?1Q29' %1.' (%' /02' E .2.1;7/()2' (5' 31/' 5113' 8.1:;0/' (3/1' 2%%24/=F

02' %1.2;1(3;' 2//2.')'.75' 2Q(923/)' @.(//23' :392.' %22 (3;5' U1%' 5/.13;' (39(;37/(13' 7/' /02' -7. (7?23/7.)' 4739:4/' 1%' /02' B .27/' D0(;' 1.95' @01' (35/279' 1%' 075/23(3;' /1' 5:HH1./' /02' /0.132' 7/' 51' ?1?23/1:5' :' 4.(5(5' 1%' 37/(137' H2.(' 079' 1HH1529<(3' /02' 1:52' 1%' 1.95' 13' /02' ?{/(131%' /02' :>2' 1%' (40?139' 739' (3R' /02' 1:52' 1%' 1?? 135' 7/' /02' (35/7342' 1%' 1.9' 103' 7Q239(50<' /02' 1)7' 799.25525' @0(4 P' G/' @75' H.1H1529' /1' 9)' 7/' /02' %22/' 1%' /02' 1Q2.2(;(' /02.5' 1%' /02' ;.27/' D0(;' 1.95' (34 :9(3;' /02' :>25' 1%' 2Q1350(.2' 734025/2.' 739' -1./ 739' 739' /02' 7.I:(5' 1%' 14>(3;07?

' .(;(37

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31/13)Q1/297;7(35/ (3(5/2.5 8:/23/2.297H.1/25/7;7(35/ /02(.@01 2 4139:4/ 1% /02 ?2.(473@7.739 /02 H.1J H.(2/)1%/02(.H.1.1;:(3; -7.(7?23/7/ /02 H.2523/4.(/(47 /(?2F N 02 Q2.)@(4>29 -.1/25/0 @.(/25 /02 (3; /1 1.9 1./0 13 /02 +*/0 1% :32 N(5H.11%5:%%(4(23/ /07/ @0(5/ -7.(7?23/5(/5 32@ ?7//2./1 47:52 ;232.7 9(557/(5J %74/(13(5 /02 18G24/ 1% HH15(/(13 0%: 40 7/ /0(5 /(?2 @75 /02B 4139:4/ 1% /02 2792.5 1% /07/ H1@2.%: H7./)/1 @0152 (2392. ?2.4(25 H@(3; /H 1.9 1./0=5 .232@29 23/.27/(25 /1 82 7 1@29 /1 .2/(.2 %.1?1%%(42 /02 (3; @75 (3 01:.)9.279 1% 82(3; 41?H2 29 /1 5:..2392. 0(?52%1 /07/ 318 2?73 @2 7;7(3 %(39 0(?@.(/(3; 13 /02 !#/0 P< N 1.9 1./0=5 7HH (47/(13 /1 .25(;3 @(/0(3 /@1 97)5 1% /02 -.1.1;7/(13 473 522 (3 31 1/02. (;0/ /073 75 7 U413/(3:7/(13 1% 0(5 .251 :/(13 /1 .2/(.2 @0232Q2. ?)7%%7(.5 @(H2.?(/ (/ 1. 32Q2. 473 /0(3> /07/ 02 @01 51 073951?2)5/119 %1.@7.9 13 /02 9252./(13 1% /02 :>2 1% .7%/13@1:9 152 7 /07/ ?2.(/8)%1 1@(3; 51 :39(;3(%(29 73 2M7?H 2 0

1./:37/2)/02 ;.27/ ?755 1% /02 H21H 2 1% .27/ .(/7(3 H.1Q29 31 255 .251 Q29 /073 /02(. 1Q2.2(;3 /1 ?7>2 2Q2.)2%%1./ /1 ?7(3/7(3 /02 0131:. 739 57%2/)1% /02(.41??13 41:3/.) 02 /2?H1.7.)4135/2.37/(13 @0(40 /02 92H7./:.2 1% /02 H73(50 ?8755791. 079 2M4(/29 Q2.) 5113)(2 929 /1 7 @7.(>2 5H(.(/ @0(40 H2.Q7929 2Q2.)4 755 1% 514(2/) 02 (34.2752 1% 9(%%(4: /(25 75 /02 (3; G:5/)1852.Q29 (3 0(5 H2240 7/ /02 4 152 1% /02 255(13 (35/279 1% 9(5H(.(/(3; 079 52.Q29 /1 7:;?23/ /02 41:.7;2 739 413J 5/734) 1% /02 37/(13 N D2 07Q2 Q1/29 :373(?1:5 79J 9.25525 1% (Q25R 739 %1./:325X 0 @.(/25 1.9 7.(5 2 /1 :3W(5B 21.;2 2@)3 < N D2 7.2 (3 27.325/ 739 507 52 1:.R PGHQ25 Q2.)927.@07/2Q2. ?7)82 /01:;0/ 7/ 13Q23/ /

^ F -7.(7?23/7.) (5/1.) Q1 MM 41 5 "$#<",V
/ 1.9 .1:;(7?=5 /7/25?23 1%/02 (?2 1% 21.;2 L Q1 ('H □
'5 #'H' !LL' B

152H0' 02.2' 7.2' ?73)' 7HH (47/(135' %1.' .7(5(3;' .2;(?23/5X 1.9' 2.8)' 1.9' ;.2?13/' 3 ' ' 32Q2.' 57@' 255' 925J H139234)' 739' ?1.2' 5H(.(/' ?73(%25/29' (3' 7' 9(%%(4: /' ?1?23/' /073' 7/' /02' H.2523/' :.' 41?? 13' H.74/(42' (5' /1' 82' 7 7.?29' %1.' /@1' 1.' /0.22' 97)5' 739' /023' /1';1' /1' 7 ' /02' 87 5' 739' 1H2.75' 75' (%' /02' 41:3/.)' @75' (3' /02' ;.27/25/' 57%2/) Ó F 75/' 5:?5' 1%' ?132)' @2.2' .7(529' 8)' H.(Q7/2' 5:854.(H/(135' %1.' /02' H:.J H152' 1%'%(//(3;' 1:/' H.(Q7/22.5' 739' 1/02.@(52' 5/.23;/023(3;' /02' 37Q7' 739' ?((/7.)' .251:.425' 1%' /02' >(3;91?' ' 02' 75/' 39(7' 1?H73)' @(/0' (/5' 4:5/1?7.)' ?:3(%(42342' Q1/29' 7.;2' 5:?5' %1.' 8:(9(3;' 739' 2I:(HH(3;' /0.22' (32' 1%' 87// 2' 50(H5' 75' @2 ' 75' %1.' ;.73/(3;' 81:3/(25' /1@7.95' .7(5(3;' 5(M' /01:5739' 527?23' %1.' /02' 5:HH)' 1%' /02' % 22/' Q23' /02' ;.27/' D 0(;' 1.95' /01:;0' /02)' ?(5529' 31' 1HH1./:3(/)' 1%' 2(H87..755(3;' /02' 1Q2.3?23/' 79Q147/29' 7' @7.' /1' /02' >3(%2' @(/0' /02' 1:52(' 1%' 1:.813' 0.1:;01:/' .27/' .(/7(3' 7 ' @75' %2.Q(9' 413%(92342' 739' 23/0:5(75/(4' 2M4(/2?23/' 1.' @2.2' (3(5/2.5' 874>@7.9' (3' H.1Q(9(3;' %1.' /02' 92%2342' 1%' /02' 41:3/.)' 3' (?H1./73/' (' @75' 8.1:;0/' (3/1' -7.(7? 23/' 5:5H239(3;Ê %1.' 5(M' ?13/05' 7 ' 2M2?H/(135' %(Ê1?' 23 (5/?23/' (3/1' /02' 1)7' 7Q)' ??29(7/2' ?275?R25' @2.2' 791H/29' %1.' 91:8 (3;' /02' ?((/(7' ' H1@2.%:' %1.42' @75' 925H7/4029' /1' (373' /02' 87//2.(25' 7/' -1./5?1:/0' ' 811?' @75' 9.7@3' 74.155' -)J ?1:/0' 7.81:.' 739' 1.92.5' @2.2' (55:29' /07/' (3' /02' 2Q23/' 1%' /02' 232?)' 2%%24/(3;' 7' 739(3;' 7 ' 47// 2' 739' 01.525R' 501:9' 82' @(/09.7@3' %.1?' /02' 32(;081:.0119' 1%' /02' 527R' 4175/' (3/1' /02' (3/2.(1.' 1%' /02' 41:3/.)' U' ' 3' /02' ?273' /(?2' .7342' 739' H7(3' 079' 8223' ?7>(3;' ;(;73/(4' 2%%1./5@(/0' /02' 91:8 2' 18G24/' 1%' 740(2Q(3;' /02' 51Q2J .2(;3/)' 1%' /02' 5275' 739' 2%%24/(3;' /02' (3Q75(13 1%' .27/' .(/7(3' ' .2340' 7.?)' 4135(5/(3;' 1%' 781:/' %1./)' /01:5739' ?23' @75' 9.7%/29' (3/1' /02' 9(%%2.23/' 527RH1./' /1[?5' %.13/(3;' /02' 51:/0' 4175/' 1%' 3;739X' 8:/' (/' @75' 13' /02' @7/2.' /07/' Ù/02

H1@2.' 1%' / (2' 232?)' @75' /02' ;.27/25/' D023' /1@7.95' /02' 239' 1%' :32' 9?(.7' (.' 07.25' 7.9)' /11>' 41??739' 1%' /02' 07332' %22/' (/' 4135(5/29' 1%' 31' ?1.2' /073' /0((=)R2(;0/' 57(' 1%' /02' (32' @02.275' /02' .2340' %22/' 7 132' H.2Q(1:5)' /1' (/5' 82(3;' G1(329' 8)' /07/' 1%' H7(3' @75' 5:HH1529' /1' 3:?J 82.' %(%/)' 2/' 31/@(/05/739(3;' /0(5' 9(5H7.(/)' @2' %(39' /02' (3;' Q2.)' %7.' %.1?' 7HH.1Q(3;' 1%' /02' 47:/(1:5' 1.92.5' (55:29' 8)' /02' 9(3(.7/)' /1' (.' 07.25' N' /.:5/0' 02' @(B(/25' /1' 1.9' 1./0' N3' (Q(3;' -.1Q(92342' /02' G:5/(42' 1%' 1:.' 47:52' 739' /02' 8.7Q2.)' 739' 74/(Q(/)' 1%' ?)' 7Q)' ' @(50' 1.9' 1./0' 41:9' Q(2@' (/' (3' /02' 57??2' (;0/' %1.' /02' 2752' 1%' 0(5' 1@3' ?(39 0F' 3' /02' 57??2' 5H(.(/' 1%' 413%(92342' @2' %(39' 0(?' @.(/(3;' /1' 731/02.' 1%' 0(5' (3(5/2.5' 75' %1 1@5X<

'8 ' 'Y) ' -,4

1L 3'6 N!,(T'!$$,' H/'V'@

1.9' D2)?1:/0

N' '47331/' 02 H' @(50(3;' /02' (35/.:4/(135' /1' (.' 07.25' 7.9)' 2%/' 0(?' 7' (// 2' ?1.2' 7/(/:92' ' 1@3'(%' '@2.2' (3' 0(5' 5(/:7/(13' 739' .242(Q29' 5:40' 1.92.5' ' 501:9' (35/73/)' .2/:.3' /1' 1.87)' ' >31@' /02' 627'739' 2M42 2342' 1%' /02' 22/' :392.' 0(5' 41??739' %' (/5' 5H(.(/' (5' 97?H29' (/' ?7)' H.2Q23/' (/5' 74/(3;' @(/0' /07/' Q(;1:.' 14475(135' ?7)' .2I:(.2' Q2.R47:/(13' (5' /02' ;.27/25/' 2Q(' @2' 2Q2.' %7 ' (3/1' ' 91' 31/' ?273' 8)' /0(5' /07/' (.' 07.25' 501:9' 31/' 07Q2' /02' H1@2.' 1%' .2/:.3(3;' 8:/'7' %2@' @1.95' 1%' /.:5/(3;' /07/' 02' @(' 31/' 2M24:/2' 0(5' (35/.:4/(13' %:./02.' /073' 0(5' 1@3' G:9;?23/' ?7>25' 0(?' /0(3>' (/' 7851 :/2)' 3242557.)' ' 925(.2)1:' @(' 501@' /0(5' 7/)1:.' ?22/(3;' 0' %

3%1./:37/2)' (.' 07.25' 7.9)' @75' 925/(329' /1' ?22/' @(/0' 31' 82//2.' 5:44255' /073' 079' H.2Q(1:5)' 7//23929' 2HH20' D023' (3' /02' ?13/0' 1%' :;:5/' /02' :3(/29' %22/5' 1%' .7342' 739' H7(3' 57(29' (3/1' /02' .(/(50' 07332' /02)' 4135(5/29' 1%' 31' %2@2.' /073' 5(M/)R%(Q2' 50(H5' 1%' /02' (32' 825(925' 7' 5@7.?

F' 1.9' .13;07?=5' /7/27?2:' 1%' /(2' (?2' 1%' 21.;2' L' Q1 ' (' H' !LV' / ' .(P3:

1% %.(;7/25' 5 11H5 739 %(.2R5O(H5' 2%1.2 51' Q75/)' 5:H2J .(1.' 7 %1.42 /02 .(//(50 9?(.7' @75 3242557.( )' 41?H2 29 /1' .2/(.2' 27Q(3;' /02 232?)' /1' ?23742 739 (35: f /02 3;J (50 4175f 7f /02(.' H 275:.2' 2f /02 (// 2 QPO(40 02 @75 78 2 /1' 2%%24f 9(9 0(?' 4.29(/' 2 413/.(Q29 /1' 9.7@ 7@7)' /02 `32?)' %.1?' - .?1:/0 F @0(40 R(?H1./73f 527RH1.f 522?5 /1' 07Q2 8223 (3 7 ?15f 92%2342 255 5/7/2' 739 7f /02 57?2 /(?2 2%%24/:7)' 41Q2.29 H(/0279' 1.21Q2.' 02 079 /02 ;119 %1./:32 /1' 152 8:f 132 ?2 1% 87// 2 50(H' /02 N .923/ 0 @0(40 744(923/7)' %2 ' (3/1' /02 232?)=5 07395

3 /02 ?273 /(?2' /02 .(/(50 ?((/7.)' %1.42' @0(40 079 8223 41 24/29 /1' .2H2' (3Q75(13' 7?1:3/29 /1' 781:f %.%/)' /01:5739 .2;:7.' /.11H5' 739 781:f /02 57?2 3:?82.' 1% ?((/(7' 0(5 %1.42' (f (5 /.:2' @75 3:?2.(47)' 5H27>(3;' (34135(92.78 2' 8:f 13 /02 1/02.' 0739 /02.2 079 5H.:3;' :H 7 5H(.(f 1% ?((/7.)' 7.91:.' 739 H7/.(1/(5?' (3 /02 41:3/.)' @0(40 7 (>2 73(?7/29 /02 32@)R.7(529 ?((/(7 ?23 739 /02 Q2/2.73 51 9(2.' 739 %.1?' @0(40 /02 07HH(25f .25: /5 @2.2 73/(4(H7/29' :40 1% /0(5 925(.78 2 23/0:5(75?' @75 7//.(8:/J 78 2 /1' /02 2M7?H 2 2f 8)' /02 (3;' D023' (3 /02 41:.52 1% /02)27.' 02 Q(5(/29 /02 ?((/7.)' 47?H' 739 .2Q(2@29 0(5 /.11H5 7f 1M 27/0' 7 5H24/74 2 (5 57(9 /1' 07Q2 H.2523/29 (/52 % @0(40' %1.' 8.((734)' 739 73(?7/(13' 079 31f 8223 5:.H7552 9 (3 3; 739 5(342 /02 97)5 1% A:223 (6782/0 739 /02 H73(50 .?797' N 02 (3;=5 ?7;373(?(/) 0 @(B(/25 1.9 21.;2 2.?7(32 /1' (.' 23.)' (3/13' N (5 31f /1' 82 507>23 8)' /02 327.3255 1% 973;2.0%' 02 %74f (5 @2' >31@3' /07f 079 /02 232?)' 5:4422929 (3 739(3;' (f @75 /02 (3;=5 (3/23/(13 /1' %(;0f /02?' 7f /02 0279 1% 0(5 5:8G24/5

F 3 /02 +*/0 1% 1Q2?82.' /02 (3;' @.(/25 /1' 1.9 1G/0 X < N' ' 32Q2.' 91:8/29 /07f 73 23I:(.)' (3/1' /02 5/7/2 1% -)?1:/0' @023 /02 .2340 7HH27.29 82%1.2 /07f H 742' @1:9 82 8.1:;0f 82%1.2 -7.(7?23/' f .2 7/25 /1' 1.9 ?02.5f 739 /02 (R937:42' F %/02)' 473 92%239 /02?52 Q25' ' 91 31f 522 73)' 2Q(' 473 7.(52' %/02)' 07Q2 31f 9132 /02(.' 9:/)' (f (5 .(;0/ (f 501:9 82 >31@3 0' 0 ' 4 ' ' 4 ' 7 ' ' Q1 ' (H ' !L"

]' 7.' /7301H2=5 (5/1.)' 1% 3; 739' Q1 ' Q(' H ' S*$

' 7HH( ) ' 52Q2.7 ' 4(.4: ?5/73425 4134: . .29 /1 92/.74/ %.1?
/02 1/02.@(52 %1. ?(978 2 407.74/2.' 1% /02 ; .27/ %1.2(;3
7.?7?23/5 @0(40 .192 (3 /02 07332 ' 739 /1 7442 2.7/2
/02(.' .2/: .3 /1 /02(.' 1@3 501.25' 02 /@1 9?(.7 5 82;73
/1 I:7..2' 7?13;' /02?52 Q25' 02 H73(50 9?(.7' @75
(3 '%7Q1:.' 1% (??29(7/2)' (3Q79(3;' 3; 739X @0(2 = .R
UQ((2.5' 13 /02 1/02.' 0739' 5/.13;)' .2?135/.7/29 7;7(35/
51 01 9 7 ?275:.2 82(3;' 7//2?H/29' :3 255 H.242929 8)' /02
47H/:.2 1.' 925/.:4/(13 1% /02 .(/(50 %22/' 1.21Q2.' ?73)'
1% /02 50(H5 (3 81/0 %22/5@2.2 :3527@1./0)' 02 527513 %1.'
/02 2I:(314/(7' ;7 25 @75 4 152 7/ 0739' 3 81/0 %22/5 7 51
7 ?7(;373/ %2Q2.' 079 8.1>23 1:/' @0(40' (3 /0W H73(50
%22/ 7 132' 47..(29 1%% /0.22 /01:5739 527?23' 392.' 7 '
/0252 4(.4:?5/73425 /02 H73(50 9?%.7' (3 :39(5;:(529
9(5;:5/ 5/22.29 /1@7.95 /02 4175/5 1% 0(5 1@3 41:3/.)'
@0(2 = .Q((2.5 H.2H7.29 /1 ?7>2 /02 825/ 1% 0(5 @7)' /1
.25/

.27/ 75 @75 /02 57/(5%74/(13 (3 3; 739 7/ /02 92H7./:.2
1% /02 41?8(329 %22/' /02)27.' 32Q2./02 255 4 1529 7?(95/ B
7?15/ 75 ?:40 ; 11?'(% 31/ 925H139234)' 75 079 ?7.>29 (/5
41??2342?23/' .2 739' 13 /02 H 27 1% 92%239(3;' 02.52 %
7;7(35/ (3Q75(13' 079 .7(529 7 %1.?(978 2 7.?)' @0(40 7/ 73)'
/(?2 ?(;0/ 82 /:.329 7;7(35/ /02 5(5/2.' (5 739' 02
H73(7.95 @2.2 825(2;(3;' (8.7 /7.' 3 /02 D25/ 39(25
/02 5 7395 1% /' (342% / 739 .23797 079 8223 @.25/29
%.1?' .(/(50 91?(3(13' 02 .(/(50 %22/ (3 /0152 @7/2.5'
31@ :392.' /02 41??739 1% 9?(.7').13' 079 %7(29 /1
18/7(3 73)' 79Q73/7;2 1Q2.' /07/ 1% = 5/7(3;' 0.22
.(/(50 50(H5 1% @7.' 079 %7 23 (3/1 /02 07395 1% /02
?2.(4735' ?2.(473 H.(Q7/22.5 @2.2 .(9(3;'/.(:?H073/)'
(3 .(/(50 @7/2.5 X 739' 75/)' /02 42 28.7/29 -7:' 1325'
@(/0 0(5 9.27929 5I:79.13' 079 31/ 13)' 925/.1)29 /02
50(HH(3;' (3 /02 07.81:.' 1% D0(/207Q23' 8:/ 079
/0.27/2329 739 %.(;0/2329 /02 41//(50 47H(/7' %.1?' (/5
H.1H.(2/)

3' /02' ?273' /(?2' 51?2' (?H1./73/' 4073;25' 079' /7>23' H 742' (3' /02' 9?(3(5/.7/(13 ' 1.9' /1.?13/' 079' 8223' 31?(37/29' /1' /02' 24.2/7.)50(H' 1%' /02' 1./02.3' 2H7./J ?23/' Q7473/' 0)' /02' 927/0' 1%' 1.9' :%%1>' X' 1.9' 4/' ' D2)?1:/0' 07Q(3;' .25(;329' /02' 24.2/7.)50(H' 1%' /02' 1:/02. ' 2H7./?23/' 079' 8223' 5:4422929' 8)' /02' 7.' 1%3 4)5 ' (581.1:;0' X' 739' 75/)' 7.' 7/0:.5/' 079' 8223' 7HH1(3/29' -.25(923/' 1%' /02' 1:34(' (3' /02' .11?' 1%' 7.' 1@2.' @0152' 1Q' ' 7/2.29' Q(2@5' (3' .2;7.9' /1' /02' @(591?' 1%' 413/(3:(3;' /02' @7.' (3' ?2.(47' 079' 29' /1' 9(%%W.23425' @(/0' 0(5' 41 27;:25R' 739' /1' 0(5' 41352I:23/' .2/(.2?23/' (=1?' 1%%(42

02' 4 152' 1%' /02' H.2523/' 407H/2.' 522?5' /1' 7%%1/9' 01X :35:(/78 2' 1HH1./:3(/)' 1%' (3/.19:4(3;' 51?2' %:./02.' H 275(3;' 2//2.5' @.(//23' 8)' 21.;2' /02' 0(.9' 7/' 1.' 781:/' /0(5' H2.(19' 1%' 0(5' (%2

' ' ' ' '

M/.74/(Y

^^L' 1Q.' !$$V

N' 02' 735@2.' 1%' /02' ?H.25H' 1%' :55(9' /1' ?)' 2//2.' (5' 7' 4 2Q2.' .2%:57 ' 31/' (3' 51' ;23/22 ' 7' ?7332.' 75' ' 501: 9' 07Q2' /01:;0/' ?(;0/' 07Q2' 8223' 2MH24/29' %.1?' 02.' 02' 075' 31/' 079' /02' 4(Q((/)' /1' 735@2.' ?2' (3' 02.' 1@3' 0739' 739' 075' /0.1@3' 1:/' 51?2' 2MH.25J 5(135' /07/' ?7)' 82' 4(Q(' /1' 7' :55(73' 27.' 8:/' 42./7(3)' 31/' /1' ?1.2' 4(Q((629' 1325' ' 7?' 73M(1:5' /1' >31@' @02/02.' /02' :>2' 1% .7%/13' 75' 0(5' 5H224025' (3' -7. (7?23/' 97( )' 8241?2' ?1.2' 015/(2' 9125' 31/' %22' (/' /1' 0(5' 4.29(/' /1' .25(;3' 0(5' 2?H 1)?23/' %' 31/')1:' ?:5/' %22' /07/' ' 47331/' 2/' ?73)' 97)5' ?1.2' 2 7H52' 82%1.2' ' 5239' %1.' 0(5' 27 0' %

F' 23.)' 1@7.9' /@2 %/0' 7.' 1%' :%%1>' ' 9(29' ' 7.40' !$$,' 7/' /02' 7;2' 1%' %1./)' 82I:27/0(3;' 0(5' 91.?73/' /(/ 25' 739R0131:.5' /1' 73' 13)' 739' H15/0:?1:5' 40(9' @01' /01:;0' 02' 5:.Q(Q29' 0(5' 8(./0' 13)' %1./)R2(;0/' 01:.5' (5' 32Q2./02 255' 9(;3(%(29' (3' /02' H22.7;25' 75' 23.)' 5(M/0' (:R' 1%' 2.>50(.2' 739' /0(./223/0' 7.' 1%' :%%1>]' 1.9' .1:;07?=5' /7/25?23' 1%' /02' (?2' 1%' 21.;2' L' Q1 ' (' H' ,+' 02' :>2' 1%' .7%/13' .25(;329' 13' /02' %1 1@(3;' 97)' @023' /02' (3;' 079' /02' 57/(5%74/(13' 1%' 92 (Q2.(3;' /02' -.(Q)' 27' /1' 0(5' %.(239' 1.9' 7./?1:/0' N' ' H 742' 31' 5?7 ' ;1.) 0' 02' @.(/25' /1' 1.9' 1./0' 13' /02' +$/0' 1%' 7)' %1 1@(3;' N (3' 82(3;' 413Q(3429' /07/' ' 7?' 41.9(7)' 1Q29' 8)' /07/' ;119' ?73 0' ' H' ,#' F

+V*

s!$$,

6 " 5

K' P > ;Q8?$ # !$$V' H' $' @

N 1.9 D2) ?1:/0

UN 02 7441:3/ 1%/02 50(H@.24> 1%132 1%/02 731Q2.(73 /.735H1./5 82(3;' 413%(.?29' 739/07/ 7 /02 1%(4W.5 7.2 15/' 075 14475(1329 ?)' 1.92.(3;' 1:3/ 7:>2 /1 ;1'(?? 29(7/2)' /1 /02 5 2 1% 09 /1 522 /02 H11.' 51 9(2.5 /7>23 47.2 1%' 739 /1 H:/ /02.3 (3/1 7 4139(/(13 /1 H.14229 (3 /02 50(H 1.92.29 8)' /02 9?(.7 /)'/1 (8.7 /7.' 925(.2)1:' @(' @.(/2 7 2//2.' 1% (3/.19:4/(13 /1 1.9 /1.?13/ @01 ?:5/ ;2/ 0(?' 7 H755H1./ /1 ;1 /1 1402 2' 739 @0152 755(5/7342 ?7)' H2.07H5 82 3242557.)' 9:.(3;' /02 413/(3:7342 1% /02 ?23 (3 /07/ (3;91?R' 2 ?2735 /1 52/ 1%% /1?1..1@ ?1.3(3; 0 F bbbbbbbbb bbbbbbbbb b

6 " 5 0 "

66 7 + ' ! " ,# !V R!$$#' G(H/' S' -

N 1.9 D2) ?1:/0

N 02.2 47331/ 82 /02 5?7 25/ 91:8/ 1% /02 G:5/(42 1% /02 523/2342 %1:39 7;7(35/ 182./ (-2..27:X%' /02.2%1.2 /02 234 1529 H2/(/(13 @('31/ (39:42 ?2 /1 ?(/(;7/2 /02 523/2342

N 103 7Q(25 ?7)' 07Q2 7 .25H(/2 0

8 ' ' Y) ' - ,4

7 + ' ! " E 5# ' !$$#' '3' #' 3 :

N 1.9 D2) ?13/0

N ' 5239 /02 2//2.' %.1?' /02 1.9 (2:/2373/ H% .2 739 é (3 /02 H.(Q7/2 81M' /07/ (/ ?7)' 82 (?? 29(7/2)' 92 (Q2.29 /1)1:' 02 7 /2.7/(13 02 H.1H1525 473 32(/02.' .2392.' /02 (' 255 31.' ?1.2 %11 (50 /073 (3 (/5K%1.?2.' ?192X 8:/ 75 02 7 2;25 (/ @(' H755 /02 1:52 1% 1??135 (3 /0(5 %1.?' ' 925(.2)1:' @(' /0(5 3(;0/ 925H7/40 7 ?25523;2.' @(/0 H2.?(55(13 %1.' 0(5 07Q(3;' (/ (3/.19:429 @(/0 /0(5 7 /2.7/(13

N ' 47331/ 4134 :92 @(/01:/ 2MH.255(3;' ?)'(927 /07/ %.1?' 0(5 5/7)'(3 .2 739 02 075 74I:(.29 51?2 1% /02 7;.2278 2 7441?H (50J ?23/5 1% /07/ 5 739 < /02 ?7>(3;' 5 # 1.' 0(5 H.1H15(3;' /02 4073;2 501@5 /07/ /02 9(%%(4:/)' %.1?' /02 %(.5/ 075 7.(523 %.1?' /02 75/ 2' 739 31/ %.1?' /02 1:52 1% -7.(7?23/ 0 \\

F ' .(;(37

]' 182./ -2..47:' @75 2M24:/29 /@1 97)5 7%/2.' /02 97/2 1% /0(5 31/2' 73:7.)' !$ Y %1.' %1.;2.)

]' ' .(;(37 ' e 7.' 7.41:./' \\ ' .(;(37

Q ' ' ' #' ! '

M/.74/Y

EK+,'(%7.4 '!$$#

N' ' 47331/' 8:/' 2MH.255' ?)' 75/13(50?23/' 7/' 1.9' 7.P' 41:./=5' H.25:?H/(13' (3'/2 (3;' 1.9' .1;0297' /02.2'@1: 9' 82' 31' 9(%%(4: /)' (3' ?7>(3;' 0(?' 73' .(50' 7.I:(5F ' .2%:529'/1' ?7>2' .(50' 7.I:(525'/1' 1.9' 2./%1.9' 739' 1.9' 1@350239' ' 925(.2' ' ?7)' 027.' 31' ?1.2' 1%' .(50' 7.I:(525' ' %22'%1.' 3; (50' 7.5' 739' 91' 31/' 401152' /1' 9(5;:5/' /02? 0' %

' ' ' #' ! G)'

M/.74/Y

^^ '! # $ #

N' =079' 27.3/' %.1?' 1.9' D2G 31:/0' /07/' 07.25' 1M 079' 924 7.29' 7/' ./0:.P5' 75/' 3(;0/' /07/' 02' 501:9' 7//239' /02' 1:52' /0(5'97)' 739' /023'52/' 1%%' /1' -7.(5'739' 31/' .2/:.3' /(' 7%/2.' /02' 24255' .(3;' 75' ?:40' 8:5(3255Z' %1.@7.9' 75')1:' 473' 82%1.2' /02' 24255' 75' .27' 8:5(3255' (5' 32Q2.' 51' @2 ' 4135(92.29' 75' @023' /02' 7//23/(13' 1%' /02' 1:52' (5' 31/' /7>23' H' 8)' 31(5)' 924 7J ?7/(13 0' %

' ' ' #' !

M/.74/Y

N' L!' < ,' !$$$

N' 1.9' 07/07?=5' ?1/(13'é 473' 07Q2' 31' 1/02.' :52' 8:/' /1' 413Q2)' 51?2' %.250' %:2' /1' /02' 282 5' (>2' ?15/' 1%' /02' 1/02.' H.19:4/(135' 1%' /07/' 2M/.71.9(37.)' 8.7(3' (/' 413/7(35' 31/0(3;' 8:/' 5H24(1:5' @1.95' 739' ?7 2Q1 2342 0' \\

F' 07.25' 11.2' 5(M/0' 7.' 1%' .1;0297' @75' 4.27/29' 73' .(50' 7.I:(5' (3'!"*!' 2'?7..(29' 332' 97:;0/2.' 1%' .734(5%(.5/' 7.I:(5 1%' 2./%1.9' 739' 9(29'++' 242.3F 02.'!"+!

]' (.9' .1:;07?=5' /7/25?23' 1%' /02' (?2' 1%' 21.;2' L' Q1 ' (' H' ,S' 1.95' 1@350239' 739' 2./%1.9' @2.2' 7%/2.@7.95' 52)2.7)' 4.27/29' 3; (50' 7.I:(525'X' /02' %1.?2.' (3'!$"#' 739' /02' 7//2.' (3'!$,L

(' 1.9' .1:;07?=5' /7/25?23' 1%' /02' (?2' 1%' 21.;2' L' Q1 ' (' H' ,#

e' 0W' (3;' 7 :925' /1' /02' ?1/(13'8.1:;0/' %1.@7.9'8)' 1.9' 07/07?' 13' /02' L*/0' 1%' 7)' %1.' H://(3;' 7' 5/1H' /1' 015/((/(25' @(/0' ?2.(47' /' @75' 15/' 8)' 7' ?7G1.(/)' 1%' ,,' /1' +"d' 22' @' HH' !#+<!#V

!! 1.9' .1:;07?=5' /7/25?23' 1%' /02' (?2' 1%' 21.;2' L' Q1 ' (' H' ,"X

8 0 !

M/.74/Y

N !,+) ! $$$

N 7Q(3;H7(9/02 75/7..27.5 13/02 (Q((5/ ?:5/ 31@91/02 57?2%1.)1: 07Q2 :392.5/119 8)')1:.0(3/5/07/)1:07Q2 8223 (3 928/ 2Q2.5(342)1:52// 29 (3 (%2 ?:5/ /02.2%1.2 (35(5/07/)1:7 1@?2/1755(5/)1:@(/0/23/01:5739 %(%/223/01:5739 1.2Q23/@23()/01:5739 H1:395 (%/07/@(82 5:% 4(23/ / (5 275)%1.)1:/1 ?7>2 73 7..73;2?23/ 739 7/ H.1H2./(?25/1/7>2:H/07/5:? 1:>31@(32Q2.)((%)1:913=/0(3>/07/1% 7 /02 2//2.5 2Q2.@.1/2/1)1:/0(5 132 ;(Q25 ?2/02 ;.27/25/H 275:.2X 739 @73/31 1/02.2/:.3 0:/)1:.82(3;413Q(3429/07/ 1Q2)1:75@2 75 7 ?73 1%@1./0 75 25/22?)1:75 7 (3(5/2. 1:.4139:4/7/7 4.(/(47 ?1?23/ 32Q2.473%1.;2/0F

R 6 " 5 "

K L 3;? ' NNF H "H

N 1.9D2)?1:/0

N 02 7441:3/)1:;7Q2 ?2)25/2.97) 2%/31 .11?%1.7 9(%%2.23/.2H1./%.1?)1:/073/07/ 07Q2G:5/.242(Q29 507 (3 41352I:2342/1?1..1@@.(/2/ 1.9 1./0

N 9(9 31/ 2MH24/)1:@1:9 ;2/ 73)(3%1.?7/(13 %.1?/02 (501H 1% 7 (58:.) T @01 522?29 /1 ?2 7@7)5(;31.73/ 1% /02 41??13%1.?5 1%/02 .92. 501:9/0(3>/02 501./25/ ?192 @1:9 82 /1 5239K/02 811> 1% 5/7/:/25 H.(Q7/2)/1 /02 //1.32) 232.7 739 H:/0(5 H 7(3 I:25/(13/1 0(?@87/?192 7HH27.5/1 0(?? 15/H.1H2.%1. /02 1Q2.2(;3=5 ?7>(3;73)32@ 5/7/:/2 7;.2278 2/1/02 ?192 :529 13%1.?2.14475(135 R

N /0(3>/02 //1.32) 232.7 (5 ?1.2G:9(4(1:5 (3/7>(3;/02 7?2 1%7/1@3 (3 1.%1 >/073/7>(3;0(5 1@3 37?2T 1:.4139:4/41342.3(3;/02 .(1/(3 :%%1 >(5 Q2.)H.1H2.O

F 1.9 .1:;07?=5 /7/25?23 1%/02 (?2 1% 21.;2 L Q1 ('H ,,]' .' 103 :?2/.735 7/29%.1?/02 22 1% M%1.9 02 07342 1.50(H 1%/02 .92.1%/02 7./2.'(5 7//74029/1/02 (501H.(4 1% 7 (58:.) /' 9@7.9 0:.1@ @75 4.27/29 7.13 0:.1@ 1% 50%(2 9 (3 /02 41:3/) 1% :%%1 >L :32 !$$" 13 0(5 5:4:429(3;1.9 H 5 2) 75 1.9 07342 1.

+VL

6 " 5 0 "G"

8 ? N !$$"X3 *9

N 1.9D2)?1:/0

N 02234 1529(5 7 /02(3%1.?7/(13 07Q2 8223 78 2/1 41 24/ 1:/ 1% 50?1 2XF (3 41352I:2342 1% @0(40 07Q2 9.7@3 :H/02%1 1@(3;Q2.) .1:;0 5>2/40 1% 73 799(/(137 5/7/:/2 @0(40 925(.2)1:@(H2.:52 739 ;2/ /02 07342 1. 75 02 075 H.1J ?(529)1: /1 9.7@ :H 132 (3 073951?2 739 .7/02. 0(;0 % 1@(3; 2MH.255(135 0 %

6 " 5 0 "

7 : ! "<) U !$$, 3 8 :

N 1.9D2)?1:/0 @(1.92./02 35(;3P 1% /02 .92. 1%/02 7/0/1 82 523/ 8)/02 ?25523;2./02 75/ 39(7 1?H73) (5 5239(3; 41342.3(3; /02 92?1 (/(13 1%/02 %1./(%(47/(135 1% -139(J 402..) /1 1 132 (?.1 739 %1 1@R/02 57?2 H.242923/ %1. 3Q25/(/:.2 25/78 (5029 @023 (. 103 (3957); 1/ /02 .92. 5 @2 75 .241 24/ /02 7818 @75 925(.29 /1 H2.%1.?/02 42.2?13) 02 811>5 (3 /02 1%%(42 @(1% 41:.52 413/7(3 /02 H.14229(3; 0 e

6 " 5 0 "

7 + ! "& U !$$, 6;<3 *9

N 0(5 97) 07Q2 .279 (. 152H0 1.>2=5 \ H.(Q7/2 2//2./1 1.9D2)?1:/0 739 (/5 234 15:.2X @0(40 075 ;.27/) 413%(.?29 73 1H(3(13 @0(40 079 %1.?29 1%/02 324255(/) 1%51?2J /0(3;%.1?0234 2 /1 41:3/2.74/ /02 H.2523/ 4:..23/ (3 1 739

F N (5/1.) 1%/02 .92./02 7./2.0 8) (15 50?1 2
] .(;(37
(. 24/1. :3.1 739 (. 103 (3957) @2.2 52Q2.7) (3Q25/29 75 3(;0/ 1?J ?7392.5 1% /02 7/0 0) /02 7818 1% .41/ /02 %1.?2. (3 !$$, 739 /02 7//2. !! 7.40 !$$! 4 8 HH !#$!#,
e .(;(37
232.7 (. 152H0 1.>2 4.27/29 7.13 1Q2. (3 !$""@75 2?H 1)29 75 3Q1) M/.71.9(37.) 739 ?8755791. 7/ /02 7;:2 %.1? 1Q2?82. !$V! /1 242?82. !$"* 2 9(29 + 242?82. !$,+ @023/02 7.13) 8247?2 2M/(34/

7.(5(3;'%.1?' .2340'(3/.(;::2'739' :/40'H.(Q7/2y(3/2.25/' '501: 9' 07Q2' ?23/(1329' (/'51132.'079' '8223'78 2'/7'H.1H152'73)'5H24(%(4' 5/2H' '522'/02'324255(/)'1%'51?2/0(3;'8:/'47331/'2M74/)'57)' E@07/' :/'7?'413Q(3429'/07/'(%'/02' :/40'7.2'31/'H.2//)'4 27.)' /7:;0/'/07/'413Q1)5' ?:5/'31/'82'7'41Q2.'/1'37Q7'5/1.25'/02' ?2.473/(2'(3/2.25/'U@('31/'82'H.2Q23/29'%.1?'47..)(3;'?7/2.(7 5' /1'/02'232?)'E@(/01:/'@0(40'/02'D7.'47331/'82'8)'/02?'5:5/7(329' '/.75/B 1.9'D2)?1:/0'@('/01.1:;0)'4135(92.'/0(5'>31//)'7%%7(.' 739'522'@02/02.'02'47331/'H.1H152'51?2' ?192'@0(40' ?7)'7 7.?' /0152' ?2?82.5'1%'/02' 2H:8(4'@01'7.2'232?(25'/1'/0(5'41:3/.)' 739'/1'/02' /79/01 92.'739'41352I:23/)'5/.23;/023'/02'7.;:?23/5' 1%'/02'%.(2395'1%' 3; 739'739'1%'/02'-.(342'1%' .73;2 0

' ' ' #'!)

M/.74/Y

N'!!'ya_(4'!$$,

^^ 1'?73'(3'?)'91?(3(135'925(.25'51 (9'H2742'?1.2'/073' '91'F :/'31'(34(37/(13'/1';2/'1:/'1%'/02'H.2523/'9(% 4:/(25' @0(40'42./7(3)'>22H'?)'?(39'Q2.)'%7.'%.1?'7'5/7/2'1%'2752'473' (34(32'?2'/1'23/2.'(3/1'/02'925/.:4/(13'1%'/02' ?H(.2' 1.9' 1./0'%.2I:23/GB'57)5'/07/'/02'79Q73/7;25'/1'82';7(329'8)'/0(5' 413/25/'s@(/0' ?2.(47'32Q2.'41:9'.2H7)'/02'2MH2352' '1@3' /07/'73)'@7.'82'(/'2Q2.'51'5:44255%:'(%'7'H2.513'@(' 5(/'91@3' 739'@2(;0'/02'2MH2352'/02)'@(' %(39'75'(3'/02' 75/'/07/'(/'075' (?H1Q2.(5029'/02' /7/2'23.(4029X 8:/0(5'(5' 13)'@2(;0(3;'5:40' H1(3/5'(3'/02'547 2BH%'7'/.7925?73'820(39'0(5'41:3/2.'/'(5' 3242557.)'%1.'/0152'@01?'-.1Q(92342'075'H 7429'(3'?)'5/7/(13'/1' @2(;0'@07/'2MH23525'/01:;0'Q2.)';.27/'7.2'31/'51?2/(?25'32425J 57.)'/1'H.2Q23/'@07/'@1:9'82'?1.2'.:(31:5'/073'73)'155'1%' ?132)' 02'H.2523/'413/25/5'@(/0' ?2.(47'47331/'02 H'522(3;'75' /02'?15/'52.(1:5'(3'@0(40'73)'41:3/.)'@75'2Q2.'23;7;29' /'413J /7(35'5:40'7'/.7(3'1%'41352I:23425'/07/'/02)'?:5/'82'2M7?(329'/1' %22'(/5'.27'@2(;0/' D02/02.'/02' 7)(3;'7'/7MR@75'9252.Q(3;'7' /02'2Q(5'/07/'07Q2'7.(523'%.1?'(/'501:9'5:HH152'31'?73'41:9' 7 2;2'@(/01:/'82(3;'/01:;0/'%(//2.'%1.'29 7?'/073'7'527/'(3'/02' 237/2X 8:/5/2H'8)'5/2H'/02'92?7395'1%' ?2.(47'07Q2'.(523' 392H2392342'(5'/02(.'18G24/'@0(40'2Q2.)'?73'31/'@(' (3;'/1' 574.(%(42'2Q2.)'18G24/'/1'7'?1?23/7.)'739'(3;1.(1:5'-2742'?:5/

P ' S! (%' -' ' 8C' +VV

U4134:.' @((0' ?2' (3' /0(3>(3;' /0(5' 41:3/.)' 473' 32Q2.' 5:8?(/' /1' 01:9' ?2.(47' 5:44229' (3' /07/' /02' D25/' 39(25' ?:5/' %1 1@' 31/' (3' (392H2392342' 8:/' %1.' /02(.' 1@3' (3/2.25/' /02)' ?:5/' 8241?2' 92H23923/' 13' ?2.(47' .2 739' @1:9' 5113' %1 1@' 739' /0(5' 5 739' .29:429' /1' (/52 %' @1:9' 82' 7' H11.' 5 739' (39229 0' U

' ' ' #' ! "'

M/.74/Y

N' ++' :32' !$$,

N' 02' -7H2.5' %.1?' ?2.(47' 501@' /07/' 879' 31/' H7(3' /0.1@3' 1%%' /02' ?75>' @2' 501:9' 5113' 07Q2' 5223' /02' 1 13(25' 5:2' %1.' H7.913' %.1?' /02' 1/02.' 1:3/.)' ' 91' 31/')2/' 925H7(.' /07/' @(/0' (3/13=5' 74/(Q(/)' 739' /02' 39(735' (3' /02(.' .27. F/02' -.1Q(3425' @(' 5113' 31@' 5:8?(/

N /' (5' 31' 41?H(?23/' @023' '57)' /07/' 1.9' 1@2.' @1:9' 82' 7' H11.' 5:85/(/:/2' %1.' 1.9' 1./0' ' 47331/' 7HH.1Q2' 1%' 5:40' 7' ?275:.2' D07/' '57(9')25/2.97)' @75' /02' 9(4/7/2' 1%' %.2I:23/' 739' 52Q2.2' 52 %R2M7?(37/(13' ' 32Q2.' 473' 92H7./' %.1?' (/' 2%1.2' ' 027.' 1%' 73)' ?73=5' .279(3255' /1' 41?2' (3/1' 1%%(42' '@(' '_2MH24/' /1' 522' (/' 5(;329' :392.' 0(5' 0739' /07/' 02' (5' .251 Q29' /1' >22H' /02' ?H(.2' 23/(.2' 739' /07/' 31' /.11H5' 507' 41352I:23/)' 82' @(/0R' U9.7@3' %.1?' /02342' 31.' 392H2392342' 2Q2.' 7 1@29 0' %

' ' '6 " '50 "

1' L43' & $' + '!$$,' P' H/' V' @

N' 1.9' D2)?1:/0

N' 7Q(3;' 27.329' %.1?' 1.9' 1./0' /07/' 02' ?:5/' 7//239' 7' ?22/(3;' (3' 23/' 13' D2932597)' ' ?273' /1' 78523/' ?)52 %' %.1?' /' 7?25=5' 75' '501:9' 07Q2' 51' (// 2' 8:5(3255' /07/' 97)' ' /02.2J %1.2' 925(.2' /02' 241.92.=5' .2H1./' ?7)' 82' H15/H1329' /(' .(97)' @023' '507' '01H2' /1' 522' 1.9' D2)?1:/0 0' (

1.9' .1:;07?=5' /7/25?23' 1%' /02' (?2' 1%' 21.;2' L' Q1' (' H' □ ']' '5 #' Q1' (' H' !LS' (' ' .(;(37

07342 1.' N/1' 18/7(3' 31' 1/02.' 7((5@2.' /073' (07/' 7'
17 (/(13' 522?29' 31/' /1' 735@2.' /02(. Q(2@5'B .1?' /02' 41 9'
9(597(3' @(/0' @0(40' ' 7?' /.27/29' (/' (5' 2Q(923/' /1' ?2' @07/'
/.27/?23/' ' 7?' /1' 2MH24/' %.1?' HH15(/(13' (%' ' @75' /1' 47 '
/02?' 31@' (3/1' ?)' 52.Q(42' 1' 18/7(3'R/02(.' 5:HH1./' ' ?:5/'
92 (Q2.' :H' ?)' H2.513' ?)' H.(34(H 25' 739' ?)' 91?(3(135' (3%1'
/02(.' 07395 0'F' D(/0' .2%2.2342' 01@2Q2.' /1' /0(5' H7557;2'
(/' (5' 8:/' %7(.' /1' /02' HH15(/(13' 1.95' /1' ?23/(13' /07/' /02'
R4:./' 73;:7;2' (3' @0(40' /02)' 7HH27.' /1' 07Q2' .2H (29' /1' /02'
07342 1.=5' 41?? :3(47/(13' @75' 32Q2.' (3/23929' 8)' /02?' /1'
82' .2H27/29' (/2.7)' /1' /02(.' 1Q2.2(;3' N' '%(39 0' @.(/25' 24 '
0:. 1@' N/07/' ' 07Q2' 079' /02' ?(5%1./:32' /1' ?(5 279')1:.'
7G25/)' (3/1' 7' %7 52' (?H.255(13' 1%' 51?2' 4135(92.78 2' ?23 0
39' 02' 7995<N 02)' 32Q2.' (?7;(329' /07/' /02)' @2.2'
.2/:.3(3;' 73' 735@2.' /1')1:.' 7G25/) 0' ' 392.' 7 ' /02'
4(.4:?5/73425' 1.9' 1./0' 7HH27.5' /1' 07Q2' %2/' (/' 0(5'
81:3923' 9:/)' /1' .2?7(3' (3' 1%%(42

F' 1.9' .1:;07?=5' /7/25?23' 1%'/02' (?2' 1%' 21.;2'"'Q1 ' (' H' !S*'
]' ' #' H' !S!

- &&&

287/25(3 -7. (7?23/ 13 4131?(47 2%1.?< H2240 1% 9?339 3.>1< 287/2 13 /02 (?(/7/(13 1% /02F -1@2.' 1% /02 .1@3< 1/(13 13 /02 (;0/ 1% -7.J (7?23/ /1' .2;: 7/2 /02 (Q(' (5/< 13% (4/ 1% -7./(25< 02 N 1.913 (1/50 < 02 18 H.291?(373/< 27.%3' 2Q75/7/(13 (3' /02 2/.1H1 (5< :.3(3;' 1% 2@;7/2 739 /02 22/ -.(5135 739 1/02.' 8:(9(3;5< -.1?H/(/:92 1% /02 (3;< :HH.255(13 1% /02 (5/:.873425 <P 02 (1/2.5 8.1:;0/ /1' /.(7

/ $ ' 07Q2 ?1.2 (3/2.25/(3;' 1.' ?1.2 73(?7/29 9287/25 8223 (5/2329 /1' @(/0(3 /02 @7 5 1% /' /2H023=5' /073 /0152 @0(40 /11>' H 742 7%/2.' /02 0.(5/?75 .24255 1% !$$,' 739 !$"*' /@75 13 /02 "/0 1% 28.:7.)'/07/ (.' 21.;2 7Q(2 H.2523/29 /1' /02 1:52 1% 1?? 135 /02 %7?1:5 N 1.>50(.2 H2/(/(13 0 5(;329 8)' 31' %2@2.' /073 2(;0/ /01:5739 %.2201 92.5 1% /07/ (?H1./73/ 41:3/)' 3 /0(5 914:?23/ /02 H2/(/(132.5 23/.27/29 /02 1:52 /1' 23I:(.2 (3/1' /02 ?737;2?23/ 739 2MH239(/:.2 1% /02 H:8 (4 ?132)X /1' .29:42 7 ' 2M1.8(/73/ 2?1:?23/5' 739 /1' 781 (50 7 ' 5(324:.2 H 7425 739 :3?2.(/29 H235(135 @07/512Q2.' 3)' /0.22 97)5 7%/2.' /02 H.2523/7/(13 1% /02 N 1.>50(.2 H2/(J /(13 0 :.>2 8.1:;0/ 82%1.2 /02 1:52 0(5 42 28.7/29 H 73 1% 4131?(47' 2%1.?'X /02 5H24(%(4 18G24/5 1% @0(40 @2.2 /02 .29:4/(13 1% /02 37/(137' 2MH239(/:.2' 739 7 9(?(3:J /(13 1% /02 (3% :2342 1% /02 .1@3' 07/ 31M(1:5 (3% :2342' 57(9 /02 (:5/.(1:5 1.7/1.' 079 31/ 13)' /7>23 7@7)' 7 ' Q(;1:.' %.1?' 1:.' 7335' 739 7 ' @(591?' %.1?' 1:.' 41:352 5' 8:/ 079 5/.(HH29 2Q2.)' 50791@ 1% 7:/01.(/)' 739 4.29(/ %.1?' /02 ?15/ Q232.78 2 H7./5 1% /02 135/(/:/(13' :.>2=5 5H2240 13 /0(5 14475(13 (5 57(9 /1' 07Q2 8223 ;.739 7 ?15/

82)139' H.242923/' X (39229' 1.9' 1./0' (3' .2H)(3;' /1' 0(?' 79?(//29' (/' /1' 07Q2' 8223' 132' 1%' /02' 825/' 1.7/(135' /1' @0(40' 02' 079' 2Q2.' (5/2329' /' @75' 7' 5H2240' 02' 57(9' N' 5:40' 75' 31' 1/02.' ?2?82.' 41: 9' 07Q2' ?792 0' 3' 4139:4/(3;' 0(5' %7Q1:./(2' ?275:.2' /0.1:;0' -7. (7?23/' :.>2' 13' ?1.2' /073' 132' 14475(13' 5:4422929' (3' 27Q(3;' (3(5/2(B5' (3' 7' ?(31.(/)' 8:/' 2Q23/:7)' /02' (' @75' 15/

1' 255' 73(?7/29' @2.2' /02' 9(54:55(135' @0(40' /11>' H 742' 31/' 13;R 7%/2.@7.95' @023' :33(3;' 8.1:;0/' %1.@7.9' 7' 5(?(7.' 739' 5/(' 81 92.' ?1/(13' %1.' 23%1.4(3;' 7' ?1.2' 24131?(47' 2MH239(/:.2' 1%' /02' H:8 (4' ?132)' 739' 4:.8(3;' /02' H1@2.' 1%' /02' .1@ ' 3' 7' 5H2240' 4134(52' 2 1I:23/' 739' 8.27/0(3;' 8(//2.' (3Q24/(Q2' 7;7(35/' (3(5/2.5' 02' 744:529' /02?' 1%' 07Q(3;' G25:(/(47)' 7HH.1Q29' 1%' ?73)' 1%' /02' H.1J H15(/(135' 1%' 0(5' 0131:.78 2' %((239' 7/' /02' 57?2' /(?2' /07/' /02)' @2.2' (35(9(1:5)' (3/23/' 13' 5/.(HH(3;' (/' 1%' 7 ' (/5' 2M42 2342' 02' H:8 (4' 02' 57(9' ?:5/' 82' 57/(5%(29' /02.2' @75' 7/' (55:2' 7' H1(3/' 1%' /02' ?15/' Q(/7' (?H1./7342' X 739' 7441.9(3;)' 02' ?1Q29' (3' 7' 1?? (//22' 1%' /02' @01 2' 1:52' 0(5' %7?1:5' 251 :/(13 < N 07/' (/' (5' /02' 1H(3(13' 1%' /0(5' 1??(//22' /07/' /02' (3% :2342' 1%' /02' .1@' 075' (34.27529' (5' (34.275(3;' 739' 1:;0/' /1' 82' 9(?(3(5029 0' 1' /02' 413J 5/2.37/(13' 1%' /02' 41:./(2.5' 739' H 742R0:3/2.5' /0(5' 5@22H(3;' H.1H15(/(13' @75' 47..(29' 8)' 7' ?7G1.(/)' 1%' 2(;0/223

341:.7;29' 8)' /0(5' 5:44255' :33(3;' 31@' ?1Q29' 7' 524139'.251 :/(13' /1' /02' 2%%24/' /07/' (/' @75' 31/' 255' 41?H2/23/' %1.' /02' 1:52' 1%' 1??135' /1' 41..24/' 78:525' (3' /02' ?737;2J ?23/' 739' 2MH239(/:.2' 1%' /02' (Q(' (5/' /073' (/' @75' (3' 2Q2.)' 1/02.' 8.7340' 1%' /02' 2;(5 7/:.2' 0(5' .251 :/(13' @75' 47..(29' 7;7(35/' 1Q2.3?23/X' 75' 7 51' @2.2' 132' 1.'/@1' 1/02.5' H.1H1529' 8)' 07. 25' 1M' 739' .' 01?75' -(//' 0:5' /0.1:;01:/' /02' 255(13' @75' /02' 1:52' 4135/73/)' >2H/' (3' 7' 5/7/2' 1%' /02' 0(;025/' 2M4(/2?23/' 0:5' /11' @2.2' /02' 91@3J %7 ' 1%' (3(5/2.5' 739' /02' :34139(/(137' 5:..2392.' 1%' /02 (3;' 7HH7.23/)' 13' /02' 2Q2' 1%' 82(3;' 7441?H (5029' @023

/02 (3255 1% /02 H27>2. (. 2/402. 1./13 41?H2 29 /02 1:52 /1 79G1:.3 %.1? /02 !S/0 /1 /02 +S/0 1% H.(H. !S N 07Q2 31/ /02 5 (;0/25/ 91:8/ 0 @.(/25 /02 (3;/1 1.9 1./0 N /07/ /02 H27>2. 075 H 27929 (3255 /1 2378 2 /02 HH15(/(13 /1 H:.5:2 /02(. 7?:52?23/ 7/ 2@?7.>2/ /02 32M/ @22> 0 F 3%1./:37/2) @023 /02 1:52 1% 1?J ?135 .27552?8 29 13 /02 +S/0 (/5 /2?H2. H.1Q29 /1 82 4073;29 /@75 (3 Q7(3 /07/ :33(3;/?1Q29 73 99(F255 /1 /02 (3;/H.7)(3;/0(?/ 31/ /1 9(551 Q2 -7.(7?23/ 1. H.1.1;:2 /02 255(13 /(7%/2. /02 4.)(3;/2Q(5 41?J H 7(329 1% 079 8223 .2?29(29 (3(5/2.5 41 24/29 7 /02(. %1.425 /1 ?22/ 0(5 7//74>/ 739 /.(:?H029 8)/ 7 ?7G1.(/)/ 1% %(%/)R132

07/ /02 (3;/ 7/ /0(5 2M4(/(3;/ H2.(H9/ 501:9 07Q2 /7:;0/ 0(?52 %/1 82 (2Q2 /07/ /02 .79(47/ 251 :/(135 ?1Q29 8)/ /02 HH15(/(13/ 739 /02(. Q(1 23/ 7//74>5 :H13 /02 .1)7/H.2.1;7/(Q2/ @2.2 %.7:;0/ @(/0 H2.(/1 /02 /7/2/ @75 31/0(3;/?1.2 /073 ?(;0/ 07Q2 8223 73/(4(H7/29/ (5 %27.5/ (39229/ 01@2Q2. :3.2751378 2 /02)/ ?7)/ 07Q2 8223P @2.2 42./7(3)/ 507.29 8)/ /02 ;.27/ ?7G1.(/)/ 1% /02 @(525/ 739 825/ (3 /02 739/ N / (// 2 /(?2 0 @.(/25 /02 (3;/1 1.9 1./0/ N @(/ 1H23 /02 2)25 1% 52Q2.7/@01 07Q2 8223 29 %7./02./073 /02)/(3/23929/ / 47331/ 82 /02 @(50 1% /02 ?7G1.(/)/ 1 1Q2./:.3 /02 135/(/:/(13/ 74/(1:5 2792.5 739 .:(329 ?23 @(50 (/8:/ 31/ /02 8:>1% /02 -21H 2/ 507/ /02.2%1.2 :391:8/29)/ 82 755(5/29 (3 H.252.Q(3;/ /0(5 2M42 23/ 135/(/(/:/(13/ 1.9 1./0 507/ 522 /07/ /02.2 (5 7/ 275/ 132 H2.513 @((3;/1 H.252.Q2 :35H1(29 /02 ?15/ 827:/(%:/ 135/(/:/(13 /07/ 2Q2./ @75 %.7?29 0 %/ 02 H2.J 5137/ 7//74>5 2Q2 29 7/ 0(?52 % (3 -7.(7?23/ 02 41:9 31/ 8:/ 8(//2.)/%22/ 1 1.9 1./0 02 @.(/25 13 /02 $/0 1% H.(< N 02 251 :/(135 473 8)/ 31 ?2735 82 11>29 13 75 H2.5137/ /1 0(?/ s 1.9 1./0 / @(50 / 9(9 31/ %22

F 1.9 , .1;;07?=5 /7/25?23 1% /02 (?2 / 21.;2 L / (/ H / !SV/
G 8% #) ;

7/' @01?' /02)' @2.2' H2.5137)' 2Q2 29 0' ;7(3' /02' >(3;'
@.(/25' /1' 1.9' 1./0X < N 1@2Q2.' ' 7?' /.27/29 ' ' ? : 5/' 7. ' ,'
1Q2' /0(5' 41:3/.) 0'%
3' /02' ?13/0' 1%' :32 ' /0(5')27. ' /11>' H 742' (3' 13913'
/0152' %1. ?(978 2' H1H: 7.' 9(5/: .873425' %7?((7(R)' >31@3' 75'
/02' N' 1.913' (1/5 0' 81: f' /@1')27.5' H.2Q(1:5) ' 42./7(3'
4/5' 1%' -7. (7?23/ ' @0(40' 079' 13;' @2(;029' 027Q( )' : H13'
/02' 1?73' 7/01 (45' 1%' 3; 739' 739' D 7 25 ' 079' 8223'
;.742%:)' .2H27 29B8)' /02' :373(?1:5' 74 I : (2542342' 1%' /02'
(3;' 739' 81/0' 1:525' 1%' -7. (7?23/ ' D (52' 739' (82.7 '
?(395' 079' 82; : 3' /1' 413; .7/ : 7/2' /02?52 Q25' 13' /02' 7HH.1740J
(3;' 97@3' 1%' 7' ?1.2' 23 (;0/2329' 739' /1 2.73/' 7;2 ' 2.)'
9(%%2.23/ ' 01@2Q2. ' @75' /02' 5/7/2' 1%' H:8 (4' %22 (3;' 13' /02'
1/02.' 5(92' 1%' /02' @229 ' 1' 51132.' @75' (/' . : ?1:.29' (3'
41/ 739' /07/' 1Q2.3?23/' 413/2?H 7/29' (3/.19:4(3;' 7'
5(?(7.' 2 (2%' (' (3/1' /07/' 41:3/.) ' /073' /02.2' 8:(5/' %1./0'
7' 5/1.?' 1%' %737/(47 ' (39(;37/(13' 739' 7 7.? ' 5:40' 75' 079'
31/' 8223' 2I:7 29' 5(342' 103' 31M' 079' 924 7.29' /07/'
7' 5(3; 2' 755' @75' ?1.2' %.(;0/%: ' /1' 0(?' /073' /02' (3Q7J
5(13' 1%' 73' 7.?) ' 3' 9(38:.;0' 739' 75;1@ ' 31/' 13)'
@2.2' 1?73' 7/01 (45' ;.155)' (35: /29' (3' /02' 5/.22/5 '
8:/' /02)' @23/' 781:/' /02(.' 97( )' 8:5(3255' (3' H2.(' 1%'
/02(.' (Q25 ' 02(.' H 7425' 1%' @1.50(H' @2.2' 92?1 (5029X'
/02(.' 9@2 (3;R01:525' 8.1>23' (3/1X' 739' /02(.' H.1H2./)' 92J
5/.1)29 ' 307HH( ) ' /0(5' ?(52.78 2' 5H(./' 1%' 8(;1/.)' ;.79:J
7)' 2M/23929' /1' 3; 739 ' 02(B2' /11 ' /02' 4.)' 1%' N' 1'
-1H2.)' 0' @75' 75' 2%%24/:7)' .7(529 ' 739' /0:5' 5H.73;' (3/1'
2M(5/2342' /07/' ?(540(2Q1:5' 514(2/) ' 925/(329' /1' 82' /02'
47:52' 1%' 51' ?73)' 2Q(5 ' /02' -.1/25/73/' 5514(7/(13 ' 1@J
2Q2.' @2 R(3/23/(1329' ?7)' 07Q2' 8223' /02' ?2?82.5' 1%' /07/'
35/(/:/(13 ' (/' 522?5' /1' 07Q2' 8223' ?7(3)' 41?H1529' 1%'
H2.5135' @0152' @73/' 1%' >31@ 29;2' 1%' 0:?73' 37/:.2 ' 739
1%' /02' 973;2.' 1%' (3%7?(3; /02 H755(135' 1%' 7.;2' 739

4.1@929 H1H: 7/(135 @75 2M422929 13)8) /02 2M7;;2.7/29 31/(135 /02) 23/2./7(329 1% /02(. 1@3 (39(Q(9:7 (?H1.J /7342 F 1.21Q2. /02 401(42 @0(40 /02) ?792 1% 7 -.25(923/ 41: 9 547.42)07Q2 8223 7 ?1.2 :3%1(R/:37/2 132 1.9 21.;2 1.913 /0((=9 513 1% 15?1 :>2 1% 1.913 @75 7)1:3;? ?73 1% 1.9(37.) 78((/(25 1% @27> G:9;?23/ 739 1% I:25/(1378 2 573(/) 5 %7.75 73) 1H(3(13 473 82 %1.?29 1% 0(5 407.7I%2. (/ R522?5 /1 07Q2 8223 7 5(3;: 7.41?H1:39 1% 23/0:5(75?7?8(/(13 739 8:%%1132.) 31 @(/01:/ 7 /7(3/ 1% >37Q2.) /01:;0 /0(5 N :37/(4 7H15/ 2 0 75 D7 H1 2 5/) 25 0(?7%%24/29 /02 ;7.8 739 75H24/ 1% /02 2/019(5/5< @27.(3;0(5 07(. 13; 739 73> 91@3 0(5 501: 92.5< P0(5 H.(Q7/2 (%2 7HH27.5 /1 07Q2 8223 %7. %.1?73 (??74: 7/2 132 441.9(3; /1 73370 1.2 02 @75 7 ?73 1% N 1152 ?1.7 5 0 /7 739 7441.9(3;/1 D7 H1 2 N Q2.)9287:4029 0 G 5)2/ 02 @75 H.(34(H7)>31@3 /1 /02 @1.9 75 7 Q2.)/(.2J 51?2 5H27>2.(3 /02 1:52 1% 1?? 135 739 14475(137)75 7 Q2.)(3% 7??7/1.)132 / /(?25 0(5 73;:7;2 (3 /02 1:52 @75 1% /07/ 529(/(1:5 407.74/2. @0(40 13)(3573(/) 41: 9 2M4:52 02 /(?2 @75 7/ 0739 02 2M4 7(?29 13 132 14475(13 @023 02 @1: 9 9(4/7/2 81/0R/1 /02 .1@3 739 /1 -7. (7?23/ 02 (3;1% 3; 739 @75 7 -7H(5/ 2/ 0(5 7G25/)97.2 /1 92H7./ %.1?0(5 1.137/(13R17/0 739 0(5 0279 501: 9 %7 13 /02 547%%1 9 N 1.9 21.;2 1.913 0 @.(/25 1.9 7.(5 2 /1 21.;2 2 @)3 (3 7)

F N 413;.7/: 7/2)13 0 @.(/25 1@H2. /02 H12/ /1 0(5 @2 R?273(3; %.(239 /02 0 2Q2.239 103 2@/13 N :H13 /02 @(591?/07/ @(/002 9)1: %.1?23/2.(3;)1:.J 52 % 7 ?2?82.1% /02 -.1/25/73/ 5514(7/(13 1:./%.(2395 @01 9(9 51 07Q2 .27513 231:;0 /1 .2;.2/ /02(. 91(3;(/ 2Q23 /01:;0 /02)501: 9 32Q2.82 47 29 :H13 3J 31423/ 75 /02)7.2 739 /0152 @01>31@ /02?47331/ 91:8/1% /02(. 82(3;H2.%24/) 51 (/(5 (>2)/1 8.(3; 73 19(:?13 /02 H.1%255(13 /02)??7>2 /07/ @(31/5113 82 %1.;1//23 2(/02. (5 (/ H155(8 2 %1. 7 I:(2/ (31%%235(Q2 ?73 /1 9(541Q2. 13 7 5:9923 /07/0(5 627 075 47..(29 0(?(3/1 5:40 41?H73) @(/01:/ 82(3; /1 /02 75/ 92;.22 5014>29 7/0(5 (?H.:92342 0 I ,@, 0 " # 9 !"LV
]2?1(.5 1% 7337 0 1.2 Q1 (H !, ,
(D7 H1 2 5 _4//2.5 Q1 Q((H "L+

!$$, ' N' ?792' 7' 5H2240' %1.' @0(40' 02' 1:;0/' /1' 02' 50:/' :H' :H13' /02' 5/7/2' 1%' 41/ 739' 2' @2H/' 52Q2.7' /(?25' (3' 0(5' 5H2240' X H.19:429' 73' 1 9' H.(3/' 1%' /02' 7.I:(5' 1%' :3/ 2)' X 1%%2.29' /1' ?7>2' 1.9' 1./0' 7' H.2523/' 1%'(/' 739' 47 29' :H13' /@23/)' ?2?82.5 8)' /02(.' 37?25 0' F

:40' @75' /02' @27>')2/' 973;2.1:5' %737/(4' :392.' @0152' 7:5H(425' 13' /02' +,/0' 1%' 7)' 7' 7.;2' 739' 2M4(/29' ?22/(3;' 1%' /02' ?2?82.5' 1%' /02' -.1/25/73/' 5514(7/(13' /11>' H 742' (3' 1740?7>2.5=' 7' 327.' 15/2.' 732' 027H5(92' 02' H.(34(H7' 18G24/' 1%' /02' ?22/(3;' @75' /1' 92(82.7/2' 13' /02' ?15/' 79Q(578 2' ?192' 1%' 7)(3;' 82%1.2' /02' 1:52' 1%' 1?J ?135' 73' 231.?1:5' H2/(/(13' /1' @0(40' (3' D7 H1 2=5' @1.95' @75' 7HH23929' 7' N' Q1 :?2' 1%' 37?25 0' 02' %1.2?15/' 1.7/1.' 13' /02' 14475(13' @75' 1.9' 21.;2' 1.913' /023' (3' 0(5' /@23/)R3(3/0')27.' 2' @75' .279)' 739' @((3;' 02' /1 9' 0(5' H7./(5735' /1' H.2523/' /02(.' H2/(/(13' /1' -7.(7?23/' 8:/' 02' Q1:9' H.2523/' (/' 13)' 13' /02' 2MH.255' 4139(/(13' /07/' 31/' 255' /073' /@23/)'/01:5739' ?23' 7441?H73(29' 0(?' (3' H.14255(13' /1' D25/?(35/2.' 2' /023' ?1Q29' 739' 47..(29' 7' 251 :/(13' /07/' 13' .(97)'/02' +39' 1%' :32' /02' %.(2395' 1%' -.1/25/73/(5?' 501:9' 7552?8 2' (3' /' 21.;2=5' (2 95' 1:/0@7.>' 739' /07/' (3' 1.92.' /1' 9(5/(3;:(50' %.(239' %.1?' %12' 2740' 501:9' @27.' 7' 8:2' 414>792' (3' 0(5' 07/' 739' 7 51' /07/' 8:2' 87332.5' 827.(3;' /02' @1.95' N' 1' -1H2.) 0' 501:9' 82' 47..(29' (3' /02' H.14255(13

441.9(3;)' 13' /02' 7HH1(3/29' 97)' (3' /' 21.;2=5' (2 95' U< 13' /02' Q2.)' 5H1/' 13' @0(40' 7441.9(3;' /1' 7' Q7;:2' /.79(/(13' 31@' 5/7395' /02' 0(;0' 7 /7.' 1%' /02' 7.;25/' 1?73' 7/01 (4' 40:.40' @0(40' 075' 8223' 2.24/29' (3' 3;739' 5(342' /02' 2J %1.?7/(13< 1.9' 21.;2' (55:29' 0(5' %(37' 9?24/(135' /1' /02

F' 4 @)3' 1..45H' Q1' (Q' H' !+*' 1.9' 21.;2' @75' 2OQ)3=5' 31?(322' %1.' /02' 81.1:;0' 1%' :9;2.507' N' 1:' 75>' 781:/' .' 2 @)3 0' @.(/25' 1.742' D7 H1 2' /1' 79)' 551.)' 13' /02' #/0' 1%' :32' !$"*' X< N' 7Q2')1:' 027.9' 0(5' (341?H7.78 2' .2H)' /1' 1.9' 21.;2' 1.913' @01' 75>29' 0(?' @02/02.' 02' @1:9' .2/:.3' 0(?' 7;7(3' %1.' :9;2.5J 07 c' 2' .2H (29<^ (5' 4135/(/:23/5' @1:9' 31/=<^ 0')25X' (%')1:' @1:9' .241??239' ?2' /02)' @1:9' 401152' ?2' (%' ' 47?2' %.1?' /02' 4175/' 1%' %.(47=<^ 07/' (5' 7441.9(3;' /1' @07/' H7./' 1%' /02' 4175/')1:' 47?2' %.1?' 02)' 42./7(3)' @1:9' (%')1:' 47?2' %.1?' /02' 7 ') :0' - .' 0 ' Q1' Q((' H' L"S

EQ75/ ?755 1% 627 1/5 @01 @2.2 7552?8 29 /02.2 7/ 0(5 8(99(3; %/2. 07Q(3; 52H7.7/29 (3/1 /0.22 9(%%2.23/ 819(25 739 79Q73429 8) /0.22 9(%%2.23/ .1:/25 /1 D25/?(35/2. /02) .2R7552?8 29 7/ 781:/ 07 %RH75/ /@1 1=4 14> (3 /02 7%/2.3113 (3 /02 7.;2 H23 5H742 (3 %.13/ 1% /02 01:525 1% -7.(7?23/ (8813 /02 0(5/1.(73 /023 7 ??282. 1% /02 1:52 1% 1??135 9254.(825 /02 54232 75 (% N%1./) /01:5739 -:.(/735 5:40 75 /02) ?(;0/ 07Q2 8223 (3 /02 97)5 1% .1?@2 079 5/7./29 1:/ 1% /02(. ;.7Q25 0F :.(3; /02(. H.1;.255 /1 D25/?(35/2. /02 4139:4/ 1% /02 H2/(J /(132.5 079 8223 41?.%(23978) 1.92.) 739 9241.1:5 1 51132. 01@2Q2. 9(9 132 :3H1H:7. 2?82. 1% -7.(7J ?23/ 7%/2. 731/02. ?7>2 /02(. 7HH27.734 2 (3 9 -7 742 7.9 /073 31/ 413/23/ @(/0 ;.22/(3; /02? @(/0 ;.1735 739 0(5525 /02) ?73(%25/29 73 :3?(5/7>78 2 /239234) /1 .251./ /1 ?1.2 7@ 255 H.14229(3;5 :.(1:5) 231:;0 7/ /02 Q2.) /(?2 @023 /0252 NH(1:5 .7;7?:%%(35 0 75 D7H12 925(;37/25 /02? @2.2 91(3; /02(. :/?15/ 8) /02(. .7?H73/ 8(;1/.) 739 9(51.92.) 4139:4/ /1 97?7;2 /02 ;(F27/ 47:52 1% -7.(7?23/7.) 2%1.? 132 1%/02 ;.27/ D0(; 1.95 /02 :>2 1% (40?139 @75 74/:7) 13 0(5 2;5 (3 /02 1:52 1% 1.95 92(Q2.(3; 7 H7./) 5H2240 (3 %7Q1:. 1% /02 .(;0/5 1% /02 H21H2 1% 733:7 -7.(7?23/5 739 :3(Q2.57 5:%%.7;2 %

3 /02 ?273 /(?2 /02 8207Q(1:. 1% /02 H1H:742 079 (34.27529 %.1? :H.17. /1 74/:7 Q(1 2342 1/ 57/(5%(29 @(/0 5/1HH(3; /02 47..(7;25 1% /02 ??282.5 1% /02 2;(5 7R

F (54 D1.>5 H +,, 9 !"L$
/ 22 /02 :>2=5 H2240 13 /0(5 14475(13 (3 /02 -7.(7?23/7.) (5/1.) Q1 MM(41 5 ##S<##" 3 /01 #/0 1% /02 H.2429(3; ?13/0 1% :;:5/ 7/ /02 /(?2 @023 /02 (3Q75(13 1% 3;739 8) /02 %1.425 1% .7342 739 G?(: 7HH27.29 /1 82 (??(323/ @2 %(39 /02 (3; @.(/(3; /1 1.9 1./0<N 3 ?) 1H(3(13 (/ @(82 0(;0) 973;2.1:5 /1 413/(3:2 /02 :>2 1% (40?139 1.9 (2:/2373/ 1% :552M K 39 /02 (3; 7995 (3 /02 57?2 2//2.<N 1?2 ?7) /7 > 1% H.:923/(7 ?275:.25X 8:/ (/ (5 31/ 57%2 /1 2/ /02 :>2 1% (40?139 81 (3 2M24:/(Q2 1%%(42 @(/0 0(5 9(5H15(/(13 /1 4 1; /02 @022 5 1% 1Q2.3?23/ 739 (% 02 075 73 1HH1./:3(/) /1 2341:.7;2 (35:..24/(13 0 0 ? 4 + 4 7 L Q1 (H !L#

/ : . 2 ' @(/0 %1. 4(3 ;' /02 ?' /1' 4.)' N 1' - 1H2.)' 0 739 @27. ' /02 7. ' 5'
8 : 2 414>792 ' /02)' 5 : 8G24/29 /0152 @01' @2. 2 1831M(1 : 5 /1'
/02 ?' /1' /02 ; . 15525/ (39(; 3(/(25 ' 02 - 22. 5 5 : %%2. 29 %7. '
? 1. 2 /073 /02 1 ? ? 135 ' 1. 9 508 : . 307 ?' @75 9(=7 ; ; 29
1 : / 1% 0(5 407. (1/ ' 1. 95 1@350239 739 (581. 1 : ; 0
@2. 2 51' . 1 : ; 0)' 0739 29 ' /07/ ' @023 /02)' 23/2. 29 /02
1 : 52 1% 1. 95 ' (/ @75 @(/0 /02(. ' 87 ; 5 /1. 3 1%% ' 27Q(3 ;'
E/023F 07(. ' 073 ; (3 ;' 9(502Q2 29 781 : / /02(. ' 27. 5 ' 1. 9
D (1 : ; 08)' 23/2. 29 @(/01 : / 0(5 H2. (@(; X 1. 9 /1. J
? 13/ @75 7557 : /29 ' (R/. 27/29 ' 739 079 0(5 47. . (7 ; 2
8. 1>23 (3 H(2425 ' 02 1. 9 - . 25(923/ 1% /02 1 : 34(
1. 9 7/0 : . 5/ ' 079 0(5 2 ; 5 Q(1 23/)' >(4>29 ' 739 @75
%1. 4(8)' H : 5029 781 : / 8)' /02 ?18 ' 1. 9 735%(2 9 079
/02 ; 75525 739 H732 5 1% 0(5 47. 37 ; 2 8. 1>23 ' 739 37. J
. 1@)' 2547H29 @(/0 0(5 (%2 ' 02 . 408(501H 1% 1. >
. ' 7. >07 ? ' (3 /02 ? (95/ 1% 7 5/1. ?' 1% 0(5525 739
; . 1735 ' 079 0(5 7@3 5 22Q25 /1. 3 1%% 739 % : 3 ;' (3 0(5
%742 ' : 5/ @023 /02 : >2 1% (40 ? 139 @75 (35(5/(3 ;'
/07/ N 2Q2.)' ? 73 (3 /02 >(3 ; 91 ?' 1% % : ' 7 ; 2 ' 739 31/ 9(5J
I : 7 (%(29 8)' 7@ 0 @75 23/(/ 29 /1' 82 . 2H. 2523/29 (3 - 7. J
(7 ? 23/ ' 0(5 . 742 @75 (3/2. . : H/29 8)' 1. 9 1 : 3/%1. /
0 : . . (29)' 23/2. (3 ; ' 739 (3%1. ? (3 ;' /02 1 : 52 /07/ 1. 9
15/13 079 8223 9. 7 ; ; 29 %. 1 ?' 0(5 41740 739 /0. 1@3 13
/02 ; . 1 : 39 ' 739 /07/ 7/ /07/ Q2.)' ? 1 ? 23/ /02 318 2 1. 9
@75 (3 (? ? (323/ 973 ; 2. ' 1% 82(3 ;' /. 7 ? H 29 /1' 927/0 8)' /02
? 18 F 75/) ' /02 (%2 1% /02 (501H 1% (341 3 ' 8. 1/02. ' 1%
1. 9 07342 1. 'P 0 : . 1@' @1 : 9 (3 7 ' (>2 (0119 07Q2 8223
574. (%(429 8 : / %1. ' /02 ; 7 73/.)' 1% 7)1 : 3 ;' 7@R5/ : 923/ '
@01' 5 : 4422929 (3 . 254 : (3 ;' 739 19 ; (3 ;' 0(? ' (3 7 %7(3/(3 ;'
5/7/2 ' (3 7 32(; 081 : . (3 ;' 01 : 52 ' 1Q2. ' /02 2795 1% @0(40 '
/02 (501H ' 9(5 ; : (529 (3 %2 ? 7 2 7//(. 2 ' 5 : 852 I : 23/)' 2%%24/29
0(5 2547H2 /1' 7 H 742 1% 57%2/)

2Q2. ' (39229 ' 5(342 1 132 ' 119 079 47. . (29 1%% /02

:>2 1% .?139 1HH15(/2 /1 /02 H7 742 1% 0(5 51Q2.2(;3 @(/0 /02 (3/23/(13 1% 073;(3;0(?7/)8:.3 079 5:40 ;.155 (39(;3(/(25 8223 1%%2.29 /1 /02 .(/(50 -22.7;2 5 8(501H 7%/2. 8(501H 23/2.29 /02 1:52 1% 1.95 @(/0 0(5 7@3 5 22Q25 /1?9 739 H22. 7%/2. H22. @(/0 0(5 07(. 073;(3; 1152 739 0(5 4 1/025 41Q2.29 @(/0 07(.RH1@92. /02 54232 ;.2@ ?1.2 739 ?1.2 (39241.1:5 N /(5 07.9 H155(8 2 0 @2 7.2 /1 9 N /1 41342(Q2 7 ?1.2 ;.1/25I:2 7HH27.7342 /073 /02 1:52 2MO(8(/29 1?2 1% /02(. 1.950(H5 @(/0 /02(. 07(. 781:/ /02(. 501:92.5X 1/02.5 5?://29 @(/0 9(./X ?15/ 1% /02? 75 H7 2 75 /02 ;015/ (3 7? 2/ 739 7 1% /02?5/739(3; G:H (3 /02(. 52Q2.7 H 7425 739 5H27>(3;7/ /02 57?2 (35/73/ 32 1.9 H.1J H15(3; /1 5239 %1. /02 :7.95X 731/02. %1. /02 :5/(425 1. (Q(7;(5/.7/25X ?73) 4.)(3; 13/ ^ 9G1:.3 9G1:.3 @0(2 /02 5>(25 .251:3929 @(/0 /02 0:6675 501:/(3;5 1. 811/(3;5 739 0(5525 (3 -7 742 7.9 OF N .27/ /7?2J 3255 0 7441.9(3; /1 . 103513 @75 9(5H 7)29 81/0 8) 1.95 739 1??135 0 % 32 H(./:7 1.9 (39229 /02 .408(501H 1% 1.> 13 27.3(3; /07/ 1.9 735%(2 9 @75 (3 /02 07395 1% /02 ?18 .:5029 91@3 5/7(.5 %:3; 0(?52 % 7?13; /02 4.1@9 739 27.329 1%% 0(5 %(=(239 (3 /.(:?H0 X 1.9 1@350239 7 51 @023 (/ @75 (3/(?7/29 /07/ 1.9 15/13 @75 (3 (??(323/ H2.(40(Q7 .1:5)5:;J ;25/29 /07/ /02)1:3;2. H22.5 501:9 9.7@ /02(. 5@1.95 739 57)%1./0 /1 0(5 .254:2 3 /02 1/02. 0739 7 /02 :>2 1% (40?139=5 5) ?H7/0(25 @1:9 522?/1 07Q2 8223 5/(@(/0 0(5 7@ 255 %(.(2395 1:/ 1% 911.5 N %/02(. 1.950(H5 0 02 5:;;25/29 N@23/ 75 7 1:52 0 @1:9 (/ 31/ 82 75 @2 /07/ /02) 501:9 82 H.242929 8) /02 318 2 1.9 13 /02 D11574>@(/0 /02 ?742 47(B.(29 82%1.2 0(?ce D0(2 /02 -22.5 @2.2 /0:5 9(54:55(3; @07/ @75 825/ /1 82 9132

F -7.(' (5/ ' Q1 ' MM(' 41 ' ##,
]' .1>2.=5 15@2 =5 (%2 1% 103513 ' H ' #S$' 9(/(13 !"S"
(' D7 H1 2=5 2//2.5 ' Q1 ' Q((' H ' L"S X D7 H1 2B5 75/ 1:.37 5 ' Q1 ' ((' H ' S*L
é -7.(' (5/ ' Q1 ' MM(X 41 ' ##, ' 31/2

1.9' 15/13' 0(?52%' 2M0(8(/(3;' ?7.>5' 1%' 547397 1:5' (R' /.27/?23/ < 07Q(3;' 37..1@)' 2547H29' 07Q(3;' /02' 5(;3' 1%' /02' .155' 4:/' :H13' 0(5'%1.20279 < 23/2.29' /02' 1:52' :.(3;' /0(5' 2M4(/(3;'/(?2' 1.9' 735%(2 9'@01'@75'H.25(9(3;'75' 1.9' 07342 1.'9:.(3;'/02' (39(5H15(/(13' 1%' 0:. 1@' (5' 9254.(829' 75' 5(//(3;' 13' /02' D11 574>'/.2?8 (3;' (>2' 73' 75H23R 27%' F Ù 02' 1:52' 1%' 1??135' H.2523/29' 7' 547.42)' 255' 2M/.7J 1.9(37.)' 54232' /073' /02' 1:52' 1%' 1.95' /5' ?2?82.5' (/' (5' /.:2' 079' 8223' 255' .1:;0)'/.27/29' 13' /02(.'@7)'/1' D 25/J ?(35/2.'/073' /0152' 1%' /02' HH2.' 1:52' 8:/' /02(.' 4139(/(13' 079' 8241?2' /02' ?1.2' 4.(/(47' 1%' /02.'/@1' ' /02' 73M(2/)' 1%' /02' H(1:5' H1./(13' 1%' /02' ?:/(/:92' @75' 423/.29' (3 /02' .242H/(13' @0(40' /02(.'0:;2' H2/(/(13' @75' (>2)'/1' ?22/' @(/0' (3' /02' 1@2.' 1:52' 739' 7441.9(3;)' /02)' 31/' 13)' 8 14>J 7929' 2Q2.)' 7HH.1740' /1' /02' 1:52' 8:/' /02' 5/7(.4752' 739' 188)' @2.2' (3' H155255(13' 1%' 7' 92352' 819)' 1%' (3%:.(7/29' 23/0:5(75/5' @0152' 4.(25' 1%' N' 1' -1H2.)'' 31' -1H2.)'†0' 9.1@329' /02' Q1(425' 1%' /02' 5H27>2.5' @(/0(3' 739' @0152' Q(1 23/' 7//(/:92' /0.27/2329' 2Q2.)' ?1?23/' /02' ?15/' 47 7J ?(/1:5' 41352I:23425' 1' (??29(7/2' (39229' 7HH27.29' /1' 82' /02' H2.(' /07/' (/' @75' H.1H1529' 8)' 52Q2.7' ?2?82.5' /1' %(3;' 1H23' /02' 911.5' 739' %(;0/' /02(.'@7)' 5@1.9' (3' 0739' /0.1:;0' /02' 4.1@9' 273@0(2' /02' 413/2?H/(8 2' 47:52' 1%' /0(5' :3522?)' /:331(' @75' /1' 82' 5223' .:50(3;' /1' 739' %.1'X 7/' 132' ?1?23/' 2M75H2.7/(3;' /02' 627 1/5' (3' /02' 188)' 8)' 74I:7(3/(3;' /02?' @(/0' /02' 37?2' 1%' /02' ?2?82.'@01' 07HH2329' /1' 82' ;H27>(3;' 7;7(35/' /02(.'47:52' 739' 7/' 731/02.' ?1?23/' %)(3;' /1' /02' 1H23' @(391@5' 739' 799.255(3;' 2I:7)' (3% 7??7/1.)' 73;:7;2'/1'/02' .788 2' 82 1@' /' @75' /1' 31' H:.H152' /07/' 232.7' 13@7)' N.2H.(?73929' 0(?' 51:39)' (3' H:8(4' 739' H.(Q7/2'X Ø%' /1' 31' H:.H152' /07/' 0(5' >(35?73' 1 132' :..7)' 73' :34 2' 1%' /02' :>2' 1%' /01' /1 9' 0(?' /07/' 02' @75' 7' 9(5;.742' /1' 0(5' %7?()X' /07/

1 132' 1 .1)9' 7%/2.@7.95' 1.9' 02%%(2 9' (3/(?7/29' /1' 0(?' /07/' /02' %(//25/' H 742' %1.' 0(?' @75' 29 7?X 1.' /07/' /02' ;119R37/:.29' -.(?2' (3(5/2.' 23927Q1:.29' /1' H74(%)' 739' 7.;:2' 0(?' (3/1' .27513' %R02' (>29' 02' /1 9' 1.9'R 1./0P 02' 41: 9' 07Q2' 0(?' /1?' /1' H(2425' 8)' /02' ?18 F' 7HH( )' 75' /02' 31(52' 1%' /02' 4.1@9' /0:392.(3;' 7/' /02B' 911.5' 8247?2' 1:92.' 739' /02' H2.(' ?1.2' 739' ?1.2' (??(323/' /@1' 2?J 82.5' 1 132 5' 1.913' 739' 1 .8)9P' /11>' :H13' /02?52 Q25' /02' .25H135(8((/)' 1%' .25/.7(3(3;' /02' ?(540(2RQ1:5' %737/(4' N)' 1.9' 21.;2 0' 57(9' /02'a%1.?2.' N 91')1:' (3/239' /1' 8.(3;')1:.' .7547)' 7902.23/5' (3/1' /02' 1:52' 1%' 1?? 135' c' %')1:' 91' G' @('H :3;2' ?)' 5@1.9' 31/' (3/1' /02' 819)' 1%' /02' %(.5/' ?73' /07/' 23/2.5' 8:/' 3/1')1:.5 0'=B 1 132' 1 .1)9' 2Q23' @*3/' 51' %7.' 75' /1' .2%:52' /1' I:(/' 0(5' 5(92' 739' 8)' %1 J 1@(3;' 0(?' @0232Q2.' 02' ?1Q29' /1@7.95' /02' ;7 2.)' 2%%24J /:7)' H.2Q23/29' 0(5' ?7>?;' 73)' %:./02.' 7HH27 5' /1' /02' ?18')' /0(5' /(?2' 7' 92/740?23/' 1%' /02' :7.95' 739' 7' H7./)' 1%' (;0/' 1.52' @0(40' 079' 8223' H.(Q7/2)' 23/' %1.' 8)' 1.9' 1./0' 079' ?792' /02(.' 7HH27.7342' 739' 07Q(3;' 8223' 9(=7@3' :H' (3' %1.?(978 2' 7..7)' (3' -7 742' 7.9' @2.2' /02' ?2735' 1%' (39:4(3;' /02' ?:/(/:92' /1' 9(5H2.52' @(/01:/' 73)' %:./02.' 7//2?H/' 7/' .(1/' /' 7' 7/2.' 01:.' (3' /02' 97)' 1.9' 21.;2' @1.3' 1:/' 8)' 0(5' 2M2./(135' (3' /02' 47:52' 1%' (3/1 2.7342' 739' 9(51.92.' @75' /1' 82' 5223' /0.1@(3;' 0(?52 %' 07 %' 75 22H' (3/1' 7' 407(.' (3' /02' 9252./29' .2%.250?23/ .11?' 1%' /02' 1:52' 1%' 1??135' ' 07/' 02' 079' 7 ' 7 13;' 8223' 7@7.2' 1%' /02' 973;2.' /1' @0(40' 02' @75' (>2)' /1' 2MH152' 514(2/)' /02.2' 47331/' 82' 7' 91:8/' 2' 079' 2Q23' 079' /02' 2%(.13/2.)' (3' 132' 1%' /02' %1:.' H.(Q7/2' 7:9(23425' @0(40' /02' (3;' 079' 8223' ;119R37/:.29' 231:;0' /1' ;(=73/' 0(?' /1' @7.3' 0(5' 1Q2J .2(;3' 1%' /02' H.1878 2' 41352 I:23425' 1%' -7. (7?23/' .2624/(3;' /02' H.7)2.' 1%' /02' H2/(/(132.5' N 2./7(3)' R@.(/25' 0(5

F' D7 H1 2=5' 1..25H' Q1' Q((' H' L"!
/' 33:7' 2;(5/2.'%1.'!$"*'H'+V"'X D7 H1 2=5' 75/' 1:.37 5' Q1' ((' H' S*S'
/' /7/2' .(7 5' Q1' MM('H' #+V

7G25/)' /1' 1.9' 1./0' N' 1.9' 21.;2' 1.913' (3'0(5'413J Q2.57/(135'@(/0' ?2'57(9'31/0(3;' /07/'41:9'2M4:H7/2'0(?' 2'57(9'(%'/02'.25/.(4/(135'13'/02' 1?73' 7/01(45' /7>23' 1%%'8)'-7.(7?23/'@2.2'31/'.2H27 29'/07/'/02'-2/(/(132.5' @1:9'8)'%1.42'.(;0/'/02?52 Q25' 2'7B%/2.'/07/X'47 5'/02' ?22/(3;'(3' /B' 21.;2=5' (2 95' 739'R02795' /02?' 0(5' 9125'31/'4 27.'0(?'8:/B(3'.27 (/)'7995'/1'0(5';:(/0'F 3'/02'?273'/(?2X'7/01 ;0'B/02'Q75/'?:/(/:92'079'/7>23' /02(.' 92H7./:.2' %.1?' /02' H.24(34/5'1%' -7.(7?23/'(/'@j5' :307HH()'31/'(3'/02'B9(.24/(13'1%'/02(.'01?25'31.'1%'/02(.' H 7425'1%'@1.50(H' 2%1.2'3(;0/'/02'407H2'{%'/02' 7.9(3(73' (3(5/2.'(3' :>2' /.22/' (341 3=5' 33' 739' /07/' 1%' /02' 7Q7.(73' (3(5/2.'(3^D7.@(4>'R /.22/' 1 923' I:7.2' 079' 8223'.73574>29' 52/' %(.2' /1' 739' 07 %R92?1(5029' 02' %1 1@(3;' 97)' 7/:.97)' /02' /0(.9' 1%' :32' H75529' 1%%'(3' /1 2.78 2' I:(2/')2/'(/'H.1Q29' /1' 82' 13)'7' :' 82%1.2' /02' 5/1.?' 02' 32M/' 97)' @0(40' 07HH2329.'/1' 82' /02' (3;=5 8(./097)' 7.;2' H7./(25' 1%'627 1/5' 7441?H73(29' 8)'7' ?1.2' /073' 41..25H139(3;' 3:?82.'1%'H(4>H14>2/5' 8:.;7.5' 739' 1/02.'9(51.92.)' 739' 973;2.1:5' H2.5135' 9(5H2.529' /02?J 52 Q25'(3'9(%%2.23/'9(.24/(135'%1.'/02' H:.H152' 1%'7//74>(3;' 739' 925/.1)(3;'/02'H.(Q7/2'.25(923425' 739'H 7425' 1%'@1.50(H' 1%'/02' 1?73' 7/01(45' 3'/0(5'97)'/02'H.(34(H7'542325' 1%'92Q75/7/(13' @2.2' 11.%(2 95' 739' (/5' 32(;081:.0119' @02.2' 7%/2.'07Q(3;' 41?H 2/29' /02(.' @1.>' 1%'925/.:4/(13' /02'.(1/2.5'H(29'(3' 132'0:;2' 027H' 31/' 13)'/02'%:.3(/:.2' 739' ;1195' 1%'H.(Q7/2' (39(Q(9:7 5' 8:/' H:H(/5' H2@5' 739' 7 /7.5':H13' @0(40'/02)'%:3;'/02' Q25/?23/5' 1%'/02' H.(25/5' 739'/02' 574.29' 5)?81 5' 1%'/02(.'%7(/0'739' /023' 41??(//29' /02' @01 2' /1' /02' % 7?25' 7?(95/'/02' @(925/' 501:/5' 1%'92(B(5(13' 739' %:.)' 3'/02'%1 1@(3;' 97)' /02' V/0' 5(?(7.'7/.14(1:5' 1:/.7;25' @2.2' H2.H2/.7/29' (3' D7HH(3;' 739' 75/' ?(/0%(2 9X' @0(2'(3'/02' D25/' 1%' 13913' /02' .25(92342' 1%' (.' 21.;2

7Q(2' (3' 2(425/2.' I:7.2' 739' 1/02.' H.(Q7/2' 01:525' @2.2' 7//74>29' 739' .73574>29B@(/0' (>2' %:.)' 739' (?H:3(/) F' 02' .788 2' 82(3;' 8)' /0(5' /(?2' 41?H 2/2)' ?75/2.5' 1%' /02' ?2/.1H1 (5' H.1422929' /1' 5/(' ;.7Q2.' 739' ?1.2' 97.(3;' 74/5' 1%' Q(1 2342' N' @75' 7/' D 25/?(35/2. @.(/25' .7882' /02R' H12/' 13' :2597)' /02' #/0' N' 7/' 781:/' /0.22' 1=4 14>' (3' /02' 7%/2.3113' 739' 57@' /02' ?2?82.5' ;1' /1' /02' ;:52' 02' ?18' P/1HH29' ?73)' H2.5135' 8:/' 2/' 7' @01?' ' 57@' Hh55' U 2M42H/(3;' 1.9' 7390Q5.(40' @01?' /02)'/.27/29B' .1:;0)' 8.1>2' 0(5B' 41740R@(391@5P' 4:/' 0(5' %742' 739' /:.329' 0(?' 874>' ' ;:7.9B' 1%' 01.52' 739' %11/' @2.2' (??29(7/2)' 523/' G c.' @01' 9(9' 31' H7(9(4:7.' 52.Q(42' /02' ?18' (34.275(3;' 739' 92%27/J (3;' /02?O/' .1?' D 25/?(35/2.=/0W' H12/' H.1422929' B/1' 2@;7/2' @02.2' 02' 7..(Q29' 7/' 7= 4.(/(47' ?1?23/' @023' /02' ?18' 07Q(3;' 8.1>2I' (3/1' /02R01:52' NL%' P>2./37 Y' /02' >22H2.' 1%' /02' H.(513' @2.2' 23;7;29' (3' /0.1@(3;' 0(5' %:.3(/:.2' 1:/' 1%' /02' @(391@5' 739' 52//(3;' %(.2' /1' 702' 8:(9(3;' 02' 32M/' 18G24/' 1%' 7//74>' @75' /02' H.(513' (/52 %' /02' ?755(Q2' ;7/25' 1%' @0(40' @2.2R' %1./0@(/0F7557(29' 8)' 7' 5/.13;P819)' 1%KB/02' .(1/2.5' H.1Q(929@(/0RH(4>7M25' 739' 4.1@87.5' B 02' %(.2' %(79' 8)' /0(5' /(?8' 2M/23929' /1' /02' 4 (7H2' 1%' /02' H.(513' 5(/:7/29' 4 152' /1' /02' H7./' 1%' /02'-8:(9(3;' (3' @0(40' /02' H.(5132.5' @2.2' 413%(329' + ' 54.27?5' 75 /02' ;7.2B%.1?B/02' %7?25R' (;0/29P' :H'B/02(.' 52Q2.7' 42 5' /0.27/23(3;' /02?' @(/0' 73' (35/73/' 739' 9.279%:' 927/0' 7.2' 57(9' /1' 07Q2' 8223' /2..(8 2' /1' 027.' 0152

F' 33:7' 2;(5/2.' %1.' !$"*' HH' +V,' +#*' ?13;' 1/02.' 01:525' 7//74>29' @75' /07/' 1%' 1.9' :/2' (3' @0152' 07395' (3' /02' 785:.9' 1H(3(13' 1%' 07 %' 3;739' /02' (3;' @75' 5/(' 7' H:HH2/' 3' /02' +$/0' 1%' :32' /02' 7.' @.(/25' %.1?' 13913' /1' 103' 1?2' /02' 7:/01.' 1%' K' 1:;750' 02' /.11H5' 1342' ;132' ' 11>B' :H13' /02' %7/2' 1%' ?)' 01:52' 75' 92/2.?(329' 39229' 31/0(3;' 8:/' ?)' 513' 07.25' @(/0' %1./)' 1%' /02' 1)7 5' 57Q29' (/' 13' /02' 0:.597)' s/02' "/0Z' X' %27.' /02)' ?7)' 925/.1)' (/' @023' /02)' H 2752' @23/)' ?23' 2%/' 7/' :/13' @1:9' 07Q2' 524:.29' ?2' %1.' 7' ?18' 47331/ 41?2' %.1?' 13913' @(/01:/' (/5' 82(3;' >31@3' 8:/' 2(;0/' 1.' /23' Q(7(35' ?7)' 91' 02.1' @07/' /02)' H 2752' 07.25' (5' /1' 5239' ?2' 7.?5' 8:/' 0(5' 7441:3/' 1%' /02' 52.Q73/5' 2%/' (3' /1@3' .2392.5' /02?' :52 255' X' %1.' 02' 57)5' 2M42H/' -2/.' /02)' 7.2' 7' 5327>(3;' 41@7.95 0' R' 'I 4'5,' I ,'<)* Q 'I $ <.' - * 'Q1 '('H' !VL

/' (%2' 1%' .7882' 8)' 0(5' 13X' Q1 '(' "!' N 1.9' 739@(40 0' @.(/25' D7 H1 2' N @75' /1.3' 1:/' 1%' 0(5' 407.(1/' /07/' ?1.3(3;' 739' 079' 0(5' %742' 4:/' 739' @75' 57Q29' 13)' 8)' /02' 1.52' :7.95' @01' 47..(29' 0(?' 01?2 0' 75/?' Q1 '((' H' !*$

7HH7 (3;' 51:395' 1%' 7;13)' 37/:.7)' .291:8 29' /82' 2M2./(135'
1%' /82' 7//74>(3;' H7./)' 739' 7441.9(3;)' 7' 3:?82.' 1%' /02?
B 07Q(3;' 5:4422929' ?' 9254W39(3;' %.1?' /82' .11%' 1%' /02' 1J
Q2.31.=5' 01:52' (3/1' /02' H.(513')7.9' 52/' /02?52 Q25' 51' 232.J
;2/(47)' /1' @1.>' /1' .2 2752' /02(.' /2..(%(29' %2 1@R4.27/:.25X'
/07/' (3' /02(.' %:.)' /02)' 7.2' 57(9K' /1' 07Q2' /1.3' 7@7)' 5/1325'
/@1' 1.' /0.22' /135' (3' @2(;0/' /1' @0(40' /02' 911.5' 1%' /02' H.(J
5132.5=42 5' @2.2' %75/2329'U N (2)'8.1>2' /02' .11%O' @(R(/i5'
.7882' N'/1.2' 7@7)' /02' .7%/2.5'R739B07Q(3;' ;1/P' 7992.5'
/02)' 925423929'B X #/' .H02:5' 0(?52 %' 079' ?1.2' 41:.7;2
'1.' 82//2.' :4>' 7?25' 7' 7.1(?9' /02?' 739' 7' 819)' 1%'
51 9(2.5' 2MH24/29' /OW)' 92%(i9' 739' 7:;029' 7/' 7' 1HH15(/(13'
U 02' H.(5132.5' 2547H29' ' 5/119' 739' 57@' 781:/' /@2 Q2'
@1?23' 739' 2(;0/' ?23' 754239' %.1?' /02(.' 413%(32?23/' /1' /02'
3H23R'B7(.' 739' _/02)' @2.2' 4139:4/29K' /0.1:;0' /02' 5/.22/' (3'
/02(.' 407(35' 0.22' 1%' /0252' D2.2' /1' 82' 073929' 13' .(97)'
1:' 07Q2' 31' 41342H/(13' 1%' /02' %.236)' 1%P/02' ?:/(/:92
W 0(5' 82(3;' 9132' 739' >2.?73=5' 01:52' 31@' h' ?2.2' 502' 1%'
8.(4>@1.>' /02)' >2H/' 7' 5/1.2' 1%' %7?2' %(2.2' %1.P'1/02.' H:.R'
F' H1525' /' 0287?2' .29R01/ 739' /02' B911.5' 739=@(391@5'
7HH27.29' (>2 /02' 23/.734W' /1' 51' ?73)' Q1 47H125' D(/0'
51?2' 9(%%(4:/)' /02)' /023' %(.29'B/02' 928/1.5B' H.(513' 8.1>2'
/02' 911.5' 739' /02)' /11'B7' ?792' /02(.' 2547H2 O' 3' /02'
'%1 1@(3;' 97)' 731/02.' 739' ?1.2' 42 28.7/29' (/2.7.)' ?73'
Q(5(/29' /0W' 54232' 8%' 07Q14' N B@7 >29' @(/0' .' 41// OR'
R@.(/25' .' 103513' /1' .5' 0.7 2X' N'/1' 11>' 7/' 2@;7/2'
739' %1:39' (/' (3' .:(35' @(/0' /02' %(.2')2/';1@(3;' 5' '@23/'
8)' /02' -.1/25/73/5' @2.2' H:392.(3;' /02' 5255(135R01:22' 7/'
/02' 9' 7(2)' 02.2' @2.2' 31/' '82 (2Q2' 7' 0:39.29' X 8:/'
/02)' 9(9' /02(.' @1.>' 7/' 2(5:.2' (3' %:' 524:./)' @(/01:/'
523/(32 5' @(/01:/' /.2H(97/(13' 75' ?23' 7@%:)' 2?H 1)29' (3'
%:' 97)' :40' (5' /02' 41@7.9(42' 1%' 7' 41?? 2.4(7' H 742' T 0

U' (%2' 1%' .7882' 8)' O(5' 13' Q1' (' HH' "L<S' 3' 7' /0.22' 0:39.29' H.(5132.5'
7.2' 57(9' /1' 07Q2' 8223' 2/' 1152' %.1?' 2@;7/2' & ' ' !$"*' H' +#*
]' .1>2.=5' 15@2 =5' (%2' 1%' 1 ?513' H' #S"' 9' !"S"

:/ /02 /2..1.5 1% /02 97) 079 31/ 4134 :929 @(/0 /02 92?1 (/(13 1% 2@;7/2 .1?/02342 /02 ?: /(/:92 H.1J 422929 /1 11?58:.) I:7.2 7/ /02 31./0R275/ 41?2. 1% @0(40 5/119 /02 5/7/2) ?735(13 1% 1.9 735%(2 9 @0152 .2423/ 5:HH1./ 1% /02 1?73 7/01 (4 2 (2% (.2392.29 0(?25H24(7) 1831M(1:5 /1 /02 %737/(47 H1./(13 1% /02 ?18 47.42) 079 /02 Q232.78 2 7. 739 0(5 1:3/255 079 /(?2 /1 2547H2 8) 7 074> 23/.7342 82%1.2 0(5 01:52 @75 7//74>29 8) 7)2 (3; 739 (3%:.(7/29 .788 2 @01 %1./0@(/0 .73574>29 (/ 739 52/ (/ 13 %(.2 (. 7/073(2 D.7M7 @01?4:.(15(/) 29 /1 /02 5H1/ 075 ;.7H0(47) 9254.(829 /02 54232 (3 0(5 2?1(.5 N 7Q(3; ;1/ (3/1 7 074>32)R41740 @2 9.1Q2 %(.5/ /1 11?58:.) I:7.2 7//.74/29 /1 /07/ 5H1/ 8) 7 .:?1:.;232.7) 5H.279 /07/ 1.9 735%(2 9=5 .25(92342 K5(/:7/2 7/ /02 31./0R275/ 41.32. @75 2(/02. 7 .279) 8:.3/ 1. 925/(329 %1. 925/.:4/(13 7./ /.22/ 739 .27/ :552 /.22/ H.2523/29 2740 /1 /02 Q(2@ 75 @2 H75529 7.;2 %(.25 41?H1529 1% %:.3(/:.2 /7>23 %.1? /02 01:525 1% ?7;(5/.7/25 1. 1/02. 1831M(1:5 (39(Q(J 9:7 5 A:(//(3; /02 41740 @2 4.15529 /02 5I:7.2 739 079 547.42) ;1/ :392. /02 @7 1% 29%1.9 1:52 @023 @2 027.9 /02 911.1% 1.9 735%(2 9=5 01:52 8:.5/ 1H23 @(/0 Q(1 2342 3 7 %2@ ?(3:/25 7 /02 413/23/5 1% /02 7H7./J ?23/5 82(3; H.24(H(/7/29 (.1? /02 @(391@5 @2.2 H(29 :H 739 @.7H/ (3 % 7?25 (%(2 1% %11/R51 9(2.) 739Q(3; 9.2@ :H 327./02 8 76(3; H(2 8:/ @(/01:/ 2(/02. 7//2?H/(3; /1 I:2340 /02 %(.2 1./1 (?H292 /02 ?18 @01 @2.2 (39229 %7. /11 3:?2.1:5 /1 79?(/ 1% 82(3; 9(5H2.529 1. 2Q23 (3/(?(J 97/29 8) 7 5?7 92/740?23/ 1% 3%73/.) O F /@75 31/ 7 (// 2 /1 /02 4.29(/ 1% /02 .(1/2.5 /07/ 1% 7 /02 415/) 739 Q7 :78 2 H.1H2./) @0(40 13 /0(5 14475(13 %2 (3/1 /02(. 07395 31/ 73 7./(4 2 @75 7 1@29 /1 82 47..(29 1%% 75 811/)F 02(. 18G24/ 57(9 /02 (34239(7.(25 @75 31/ H :392. 8:/ /02

92%2342' 1%' H.(34(H 2'(' /(' ?1.2' 4.29(/78 2' @75' (/' /1' /82' .(1/2.5' 1%' !$"* ' /07/' 31/@(/05/739(3;' /02' %(2.42' H755(135' 8)' @0(40' ?7%/)' 1%' /02?' @2.2' (?H2 29' 739' /02' 13;' H2.(19' 9:.(3;' @0(40' /02)' @2.2' ?75/2.5' 1%' /02' ?2/.1H1 (5' 31/' 7' 5(3; 2' (%2' @75' 574.(%(429' 2(/02.' /1' H1H: 7.' %:.)' 1.' /1' /02' .7;2' %1.' H :392.' %

02' 925/(R:4/(13' 1%' 1.9' 735%(2 9=5' ?735(13' ?7)' 82' 57(9' /1' 07Q2' 8223' 7' 37/(137' 47 7?(/)' 3' 799(/(13' /1' 7' 318 2' 41 24/(13' 1% 811>5' ?73)' 1%' /02?' .2392.29' H.(42 255' 8)' 413/7(3(3;' /02' 0739@.(/(3;' 1%' 1 (3;8.1>2' 739' -1HW' /02.2' H2.(5029' (3' /07/' 4.:2' 413% 7;.7/(13' /02' 41..25H1392342' @0(40 < 5(342' /02' 97)5' @023' -1H2' 079' 42 28.7/29' 0(?' 75 <

N' 18 2' 739')133;' @01' 5/.(>25' /02' 027./'
D (/0' 2Q2.)' 5H.(;0/)' 2Q2.)' 92423/' H7./'=<

/02' (:5/.(1:5' 7@)2.' 079' ?7(3/7(329' @(/0' 413/2?H1.7()' H0(151H02.5' 5/7/25?23' 739' H12/5X' ?73)' 1%' /02?' :?(37((25' 1%' 73' 7 ?15/' :;:5/73' ;2' 3' /07/' 14475(13' 7 51' (5' 57(9' /1' 07Q2' H2.(5029' /07/' @0(40' /02' H.(3/2.=5' 7./' @1: 9' H.1J 878)' 07Q2' 1/02.@(52' .2392.29' (?H2.(5078 2' 0(5' H.(42 255' ?2?1(.5' 1%' 0(5' 1@3' (%2' 739' /(?25X' 7' @1.>' 91:8/ 255' .(40' (3' /02' 2MH2.(23425' 1%' 7' 13;' H1 (/(47' 739' (/2.7.)' 47.22.X' .(40' (3' 2 :4(97/(135' 1%' 9(5H:/29' H1(3/5' (3' 413/2?H1.7.)' 0(5J /1.(25'X' .(40'(3' H 27573/' ?2?1.(25' 1%' /02' H75/X' (3' ;.742%:' 739' 4 755(47' ;155(HX' (3' @(/' 732491/2' 739' @(591?' 02' 579' 155' @0(40' @75' /0:5' (3% (4/29' 13' /02' H:8 (4' @75' 82J ?17329' 8)' /02' H12/' 1@H2.' (3' 41?H (?23/7(=)' Q2.52' 1%' 31' 413/2?H/(8 2' ?2.(/'e <

F' 1.9' 7?H82 =5' (Q25' 1%' /02' 0(2%' :5/(425' Q1 ' ((' H' #+S
]' (>(3=5' 337 5' 1%' 21.;2' L' Q1 ' (' H' +#L
]' ?(/7/(135' 1%' 1.742' 11>' S' 92' !

N' 7?I:2' 2/' 318((5' 2/' 924235
/'H.1' 51 (4(/(5' 313' /74(/:5' .2(5
/' 423/:?' H:2.' 7./(:? 0

e' N' 3' /02' :.3(3;' 1%' 1.9' 735%(2 9=5' (8.7.)' /1;2/02.' @(/0' 0(5' 0'
' 0 '

N' 39' :..7)' 5(;05' 1=2.' -1H2' 739' @(%/
39' ?73)' 7' /.275:.2' ?1.2
02' @2 RG:9;29' H:.40752' 739' /02' ;(%/
0 07/' ;.7429' 0(5' G//2.=9' 5/1.2
E
N' 'H7;25' ?73;29' 8:.3/' 739' /1?
02' 155' @75' /1' 7 132XB
:/' 7;25')2/' /1' 41?2' 507 ' ?1:.3'
(2' 8:.3(3;' 1%' /1' S 1

/' @75' 51?2' 97)5' 7%/2.@7.95' /07/' 1.9' L 735%(2 9' (3' 5H27>(3;' 13' 7' 7@RI:25/(13' 413324/29' @(/0' /02' 7/2' .(1/5' 7 :929' /1' 0(5' .2423/' (3R2H7.78 2' (/2.7.)' 155' @(/0' 7' 52.232' 739' ?1:.3%:' 9(;3(/)' @0(40' (5' 57(9' /1' 07Q2' 5235(8)' 7%%24/29' 0(5' 7:9(2342' N' 07Q2' 31/' 4135:/29' 8H1>5X 0' 02' 57(9X N' (3J 9229' ' 07Q2' 31' 811>5' /1' 4135:/ 0 /' 723' D119' 1.9' 735%(2 9=5' 5:8:.873' Q(7' 327.' (;0;7/2' 7.2' 5/(' H.252.Q29' 75' (3/2.25/(3;' ?2?23/15' 1%' /02' H75/' 7' %2@' 5(3;29' Q1 :?25' @0(40' 2547H29' /02' %:.)' 1%' /07/' 3(;0/' 1%' ?2?1.78 2' .(1/ F'

2(/02.' @2.2' /02' 1:/(=7;25' 739' 01..1.5' 41??(//29' 13' :2597)' /02' #/0' 413%(329' /1' /02' 8:3((3;' 1%' 2@;7/2' 739' /1' /02' 925/.:4/(13' 1%' /02' 4 755(47' .25(92342' 1%' 1.9' 735%(2 9' N' 1.9' 1./0=5' 01:52 0' @.(/25' .)9132' /02' .7Q2 2.' /1' (.' 182./' 2(/0' N' @75' 7//74>29' 781:/' @1' (3' /02' ?1.3(3;' @(/0' %7?827:M' 739' %7;1/5' 8:/' 7' Q2.)' %2@' 1%' /02' (;0/' 1.52' @01' @2.2' H 7429' (3' /02' I:7.2' ^407.;29' %:' ;7 1H' 91@3' /02' 5/.22/' 739' /02)' @2.2' 9(5H2.529' (3' 7' ?1?23/ 0' %' 02' 01:525' 1%' /0.22' 1%' /02' 13913' ?7;(5/.7/25X (.' 103' (2 9(3;=5' (3' 1@' /.22/' 1Q23/' 7.923' X :5/(42' 1M=5' (3' .27/' A:223' /.22/' 739' :5/(42')92=5' 327.' 2(425/2.' I:7.2' @2.2' 7//74>29' .73574>29' 739' 92?1(5029' 02' 911.5' 1%' /02' 2@' -.(513' (3' 2.>23@2' @2.2' 8:.5/' 1H23' 739' /02' H.(5132.5' 52/' 7/' (82./)' 02' /(?(9(/)' 739' (3J 74/(13' 1%' /02' 4(Q(' 7:/01./(/(25' 413/(3:29' /1' 82' 31' 255' 47 7?(/1:5' 739' (341?H.20235(8 2' /073' 079' 8223' /02' 4752

F' :33(3;87?=5' 13913' & #' 11?58:.)' I:7.2' 22' 7 51' 7' 2//2.' %.1?' 1.9' /1.?13/' 97/29' !!' :)' !$"*' (3' /02' < 4 ' '+ '? 5 ' <' 8 ' Q1' ((R HH' !*+<L
]' 2?1(.5' 1%' (.' 182./' ' 2(/0' Q1' ((' H' ,$

%.1?' /02'R41? ?2342?23/' 1%' /02' .(1/5' 1' 1.9' 1./0' /02' 4(3;' @.(/2B5' 13' /02' #/0< N 02' 7 1@?;' 1.9' 21.;2' 1.913' /02B7Q1@29B0279' 1%F/02' /:?: /B/1' 82' 7/' 7.;2' 42./7(3)' 2341:.7;25' / (2' 413/(3:7/(13' 1%' (/' /1' @0(40' ?:5/' 82' 79929' /02' ;.27/' 5:H(323255' 1%' /02' 4(Q(' ?7;(5/.7/25' B' %27.' @(/01:/' ?1.2' Q(;1:.' /0(5' @(' 31/' 5:85(92X' (39229' :3 255' 2M2?H 7.)' H:3(50?23/' (5B' H.14:.29' (/' @(' .2?7(3' 7' 75/(3;' 9(5;.742'G739' @(' 82' 7' H.242923/' %1.' %:/:.2' 41?? 1J /(135 OF' ;7(3' @2' %(39' /02' (3;' @.(/(3;' /1' 1.9' 1./0<' N 0(5' /:?:/' ?:5/' 82' ;1/' /02' 82//2.' 1%' 1.' (/' @(' 2341:.7;2' 925(;3(3;' ?23' /1' :52' (/' 75' 7' H.242923/' %1.' 7552?8 (3;' /02' H21H 2' 13' 1/02.' 14475(135' %' H155(8 2' @2' ?:5/' ;2/' /1' /02' 81//1?' 1%(/' 739' 2M7?H 25' ?:5/' 82' ?792 O%

:/' 31/@(/05/739(3;' /02' (3G:34/(135' @0(40' /02' (3;' 799(=2552 9' /1' 0(5' /@1' 24.2/7.(25' 1%' /7/2' D2932597)' /02' $/0' H.1Q29' /1' 82' 7' 97)' 1%' 9(.2.' 925/.:4/(13' 739' /2..1.' /073' 73)' H.2429(3;' 132' 02' 7HH27.7342' 1%' 13913' 13' /07/' 2Q23/%:' 97)' @75' 9251 7/2' 739' 51?8.2' (3' /02' 2M/.2?2' 1/' 13)' @2.2' /02' 501H5' 4 1529' 8:/' (3' 1.92.' /1F' 92H.247/2' /02' @.7/0' 1%' /02' .(1/2.5' N' 1' -1H2.)' 0' @75' 407 >29' :H13' ?73)' 911.5' 739' 50://2.5' 739' 5/.(H5' 1%' 8 :2' 5(>' @2.2' 5:5J H23929' %.1?' /02' @(391@5')' /0(5' /(?2' /02' .788 2' 079' ?792' / (2?52 Q25' ?75/2.5' 1%' /02' 7.?5' (3' /02' ./(2.)' .1:39' 739' 41352I:23/)' (3' /02' 25/(?7/(13' 1%' /02' /(?(9' @2.2' 7' ?7/40' %1.' /02' ?((/7()' ' :3(Q2.57' H73(4' H2.Q7929' /02' .25H24/J 78 2' 4 75525' 1%' 514(2/)' 2..(%G93;' .:?1:.5' @2.2' 78.179' /07/' /02' :37/(45' @2.2' 781:/' /1' 82' 2/' 1152' %.1?' 29 7?' 739' /02' (135' %.1?' /02' 1@2.(G' 7.(3;' 31/(425' @2.2' 523/' /1' /02' 1Q2.31.5' 1%' 9(%%2.23/' H.(5135' (3/(?7/(3;' /1' /02?' /02' Q2.)' 01:.' 13' @0(40' /02)' @2.2' /1' 82' 7//74>29' Q23' /02' 24.2/7.(25' 1%' /7/2=5' 52.Q73/5' 75' @2' 27.3' %.1?' /02' :>2' 1%' .7%/13' @1.2' 8 :2' 414>7925' (3' /02(.' 07/5' e

F, 1.9' .1:;(7?=5' /7/25?23' 1%' /02' (?2' 1%' 21.;2' L' Q1' (' H' !S$
8 #
(' D7 H1 2=5' 2//2.5' Q1' Q((' H' L,V' 9' !"V$
e' 7.' /7301H2=5' (5/' 1%' 3;739' Q1' Q((' H' S$

' +

02' 7?(78 2' (501H' 2@/13' /.2?8(3;' 75' 02' 0(?52 %' (3%1.?5':5'%1.' N/02' 781:.5' 1%' 0(5' @01 2' 0%2<P0(5 H7H2.5' 0(5' 811>5' 0(5' H.(3/5' 0(5' H(4/:.25 0<%2@' @(/0' 0(5' %7?()' %.1?'/02' 2732.)' 1:52'7/' /'-7:=5'/1' 2@F' 2Q1350(.2' 1:52' 14>(3;07?' 1:52' :/2' 1:52' 739'/02' 1%%(4(7' .25(92342' 1%' /02' -.(?2' (3(5/2.' (3' 1@3(3;' /.22/' @2.2' ;7..(51329'8)'519(2.5' 1.9' 21.;2' 2.?7(32'7.?29'0(5' 52.Q73/5' 739' 87..(47929'0(5' .25(92342'(3'-7' 7' D023' 1.742' D7H12' 47 29' :H13'0(5' >(35?73' 1.9' 2./%1.9' 02'%1:39' /02' 7.' 739'0(5' 5135' 144:H(29' (3' 179(3;'/023' ?:5>2/5KTK' 75/)'31/' 13)'@75' /02' .(9(3;R54011' (3' /02' .1)7';.1:395'7/'-(?(41'%(29'@(/0'519(2.5'8:/'/02' (3;' (3'2MH24/7/(13'1%'73'7//74>'13'/02' A:223=5' 1:52'@75'/1' 82'5223'9:.(3;'/02' 3(;0/'4.155(3;'/1' 739'%.1'82/@223'/02' /@1'8:(9(3;5'H.2H7.29'7/'73)'?1?23/'/1'0279'0(5'/.11H5' 739'407.;2'/02'.(1/2.5'\

/'@75' (3'%74/' 1@(3;'/1' /02' 0(;0'?1.7'41:.7;2'739' H2.5137' (3/.2H(9(/)'?73(%25/29'8)' 21.;2' /02' 0:R9'/07/' 1.92.' 739' 7:/01.(/)'@2.2' .25/1.29'51'5113'75/02)'@2.2' 7.?29' 739'(39(;373/'7/'/02' 5:H(323255'1%'0(5' (3(5/2.5' 739'7/'/02' 413/(3:29'874>@7.93255'1%/02' 7;(5/.7/25'(3' 7:/01.(6(3;'/02' /.11H5' /1' 74/' @(/0' Q(;1:.' 02' .251Q29' /1' :52'0(5'1@3'2MH.255(13'/07/'7/01:;0'2Q2.)'1/02.'?7;(5J /.7/2'(3'/02'>(3;91?'501:9'%7('(3'/02'H2.%1.?7342'1%'/02(.' 9:/(25'02'7/'2=75/'@1H9'9(5407.;2'/02' 18(;7/(135'(?H1529' :H13'0(?' 441.9(3;)'8)'0(5'5H24(7'41??7395''7' ?22/J (3;'1%'/02'-.(Q)' 1:34('/11>'H742' 13'/02'?1.3(3;'1%'/02' 2Q23/%:' D2932597)'/02'$/0'7/'@0(40'75'7'?7//2.'1%'41:.52' 02' H.25(929'(3'H2.513' 02' /@1'(?H1./73/'4135/(/:/(137' I:25/(135'@0(40'(/5'?2?82.5'@2.2'7552?829'/1'4135(92.' @2.2'(3'/02'%(.5/'H742'/02'7?1:3/'1%'H.1Q147/(13'@0(40' (3'/02'2)2'1%'/02' 7@'@1:9'G:5/(%)'7' 7;(5/.7/2'(3'1.92.(3;

U' (%2'1%' (501H' 2@/13'H.2%(M29'/1'0(5'D1.>5'Q1''('H'!#!
]'D7H12=5' 2//2.5'.1''Q((''H'L"$
''D.7M7=5' (5/1.(47' 2?1(.5'1%'0(5' @3' (?2'Q1''('H'LS$

' - / ' -' ' ' . .

/ (2' ?((/7 .)' /1' %(. 2' : H13' 7' .(1/1 : 5' 7552 ? 8)' X 739' 524139)' @82/02 . ' H(F2Q(1 : 5)' /1' ; (Q(3 ;' 5 : 48' 1.92 . ' /82' 7@' ?792' (f' (?H2.7/(Q2' /07f' /02' (1f' 4f' 501 : 9' 07Q2' 8223' H.2Q(1 : 5)' .279' 3' /0252' /@1' 'H1(3/5' /02.2' 2M(5/29' 7' 9(%%2.2342' 1% 1H(3(13' 82/@223' /02' (3 ;' 739' 7' H7.f' 1% /02' 78(32/' 739' (f' @75' %1.' /02' H : .H152' 1% 57/(5%)(3 ;' /02' 91 : 8/5' 1% 132' 1.' /02' 1/02 . ' /07f' /02' H.2523f' - .(Q)' 1 : 34(' 079' 8223' 413Q2329' 307HH( )' /02' 57 ? 2' @73f' 1% : 373(?(/)' @0(40' H.2Q7(29' (3' /02' 78(32/' ?73(%25/29' (/52 % 7f' /02' 1 : 34(' /78 2' B)' /02' - .25(923f' 1% /02' 1 : 34(F' 739' 8)' /02' H27>2.' 1% /02' 1 : 52' 1% 1 ? ? 135 \' (f' @75' 81 9)' 7 . ; : 29' /07f' 8247 : 52' 7' ?73' 07HH2329' /1' 82' 7' 51 9(2.' 02' @75' 31f' /02' 255' 7' 4(/(623' 31.' /02' 255' G : 5/(%(29' (3' .2H2 J (3 ;' %1.42' 8)' %1.42' /02.' 2 ? 82.5' 1% /02' 1 : 34(' 13' /02' 413/.7.)' 7.2' 57(9' /1' 07Q2' (35(5/29' /07f' : 3/(' 73' 01 : .' 079' 2 7H529' 7%/2.' /02' .279(3 ;' 1% /02' (1f' 4/' (f' @75' (2 ; 7' %1.' 7' 7 ; (5/.7/2' /1' ; (Q2' /02' 1.92.' /1' %(.2' /02.5' /02.2' @2.2' @01' 50.73>' %.1 ?' /02' .25H135(8((/)' 1% ; (Q(3 ;' 73)' 1H(3(13' 7f' 7 ' 0252' 2Q(923425' 1% /(?(9(/)' 739' @73f' 1% 41342./' 82/.7)29' 75' /02)' @2.2' 7f' 51' 4.(/(47' 7' 527513' 1% 37/(137' H2.(' 37/ : .7)' 14475(1329' ; .27f' 9(5/.255' 739' 7331)7342' /1' /02' (3 ;' 1.21Q2.' /0252' 501./41 ?(3 ;5' 13' /02' H7.f' 1% 1/02.5' 23/7(29' : H13' 0(?' 7' ?15/f' : 3%7(.' 7 ?1 : 3f' 1% .25H135(8((/)' @0(40' 01@2Q2.' 02' 50.73>' 31f' %.1 ?' (34 : . . (3 ;' % ' 75' 02' H 7(3)' /1 9' /02' 1.95 1% /02' - .(Q)' 1 : 34(' /02)' 025(/7/29' /1' ; (Q2' 0(?' /02(.' 79Q(42' 02' @1 : 9' 74f' @(/01 : f' (/' 2' @1 : 9' 1.92.' 0(5' 01.52' /1' /02' 911.' 0279' 0(5' : 7.95' (3' H2.513' 739' 9(5H2.52' /02' .(1/2.5' 8)' %1.42' GX N ' 7 ? 23/ 0' 02' 57(9' N /02' 4139 : 4f' 1% /02' 7 ; (5J /.7/25' X 8 : f' ' 473' 735@2.' %1.' 1@2 0' 7)(3 ;' 0(5' 0739' 2 ? H07/(J 47)' 13' 0(5' 8.275/ < N' @01' @(' 91' 0(5' 9 : /) 0' 02' 2Q(923f' 73 ; : (50' 1% ?(39' 739' (?H.255(Q2' ?7332.' (3' @0(40

F' 7.' 7/0 : .5/]' (.' 2/402.' 1./13
(' @(55-5' (%2' 1% 1.9' 07342 1.' 913' Q1 ' (' H' L,L' X (.' D 7 /2.' 41//-5' - .152
D1.>5' Q1 ' (Q ' H ' LL*

/0252 @1.95 @2.2 ://2.29 7.2 57(9 /1 07Q2 9.7@3 /27.5 %.1? B/02 2)25 1% 52Q2.7 ?2?82.5 1% /02 1:34(N -11. 4.27/:.25T0 02 7%/2.@7.95 1852.Q29 1% /02 .(1/2.5 X N/02) 9(9 31 ?273 ?(540(2% 0 F

02 H2.(@75 (39229 (??(323/ 79 /02 .788 2 (3 /02 %(.5 (35/7342 < (75/279 1% 413/23/(3;/02?52 Q25 @(/0 8:.3J (3;(35(;3(%(473 407H2 5 739 .73574>(3;H.(Q7/2 01:525 < 52 /02?52 Q25 /1 @1.> /1 47H/:.2 739 92?1 (50 /02 73> 1% 3; 739 /02 -7 742 /02 H:8 (4 1%%(425 739 H.(Q7/2 873>5 /02 .25: /5 @1: 9 18Q(1:5) 07Q2 8223 (347 4: 78) 47 7J ?(/1:5 Q23 7 /02 /(?2 @023 /02 (3;@75 522>(3; 41:352 739 41?%1. %.1? 0(5 4135/(/:/(137 79Q(52.5 /02.2 5/(2M(5/29 7 .2751378 2 (>2 (0119 1% /0i52 47 7?(/(25 82%7 (3;514(2/) 739 41352I:23/) /02 (3;=5 :3275(J 3255 739 (39(;37/(13 7 %(39(3; 0(?52 % 5799 29 @(/0 /02 7 ?15 23/(.2 .25H135(8((/) 1% 92%239(3; /02 47:52 1% 1.92. 739 /02 7@5 ?7) 82 .279( ) (?7;(329 3 0(5 ;.27 2?87..755?23/ G:5 75 /02 1.95 079 .(523 %.1? /78 2 (144:(29 /1 0(?/1 5239 %1./02 //1.32) 232.7 D2992.8:? @01 522?5 /1 07Q2 8223 (3 7//2397342P% 739 /1 @01? 13 0(5 23/2.?;/02 1:34(07?82. 02 H: /02 /@1 ?1?23/1:5 I:25/(135 @0(40 079 8223 :392. /02 4135(92.7/(13 1% /02 552?8) RD2992.8:?=5 .2H) @75 H.1?H/ :3025(/7/(3; 739 H.24(52) 7%/2. /02 (3;=5 1@3 027./ w % 73 7552?8 7;2 1% H21H 2 02 57(9 @2.2 23;7;29 (3 73 74 1% 1:/.7;2 1% 5:40 7 37/:.2 75 /1 7?1:3 /1 %2 13) < 5:40 %1. (35/7342 75 /02 8:.3(3;1% 9@2 (3;R01:525 < 739 (% /02 4(Q(H1@2. @75 (32%%24/(Q2 /1 .25/.7(3 /02?((@1:9 /023 8241?2 /02 9:/) 1% 7 H2.J 5135 31 2M42H/(3;/02 51 9(2.5 /1 2?H 1) 2Q2.) ?2735

F 2//2.%.1? 1.9 :/2 /1 1?1?2 97/29 +$:32 !$"*I 4.- *Q1 ('H !VL

]3 23I:(.) 7 /02 -.(Q) 1:34((42 (/ 7HH27.5 /07 @0232Q2.73) I:25/(13 1% ;.7Q2 (?H1./7342 (5 8.1:;0 :392. /02 4135(92.7/(13 1% /02 -.(Q) 1:34(2(/02. /02 //1.32) 232.7 1.51?2 1/02. 1% /02 ;.27 7@ %%(42.5 (5 .2I:(.29 /1 82 (3 7//23(7342

, ' 5) * ' -' ' ' +$,

7f /02(.' 9(5H157' /1' 5/7)' /02' ?(540(2%' 3' 5:40' 2M42HJ /(137' 47525' 02' 79929' /02' .279(3;' 1%' /02' (1f 4f @75' .2392.29' 3:;7/1.)' 739' :33242557.)' 739' 41352I:23/)' (3' /02' 7852342' 1%' 1/02.' 1HH1./:3(/(25' 1%' .25/1.?;' 1.92.' (f @75' 31f 13)' G:5/(%(78 2' (3' 8:f /02' 74/:7' 9:/)' 1%' /02' ?((/7.)' /1' 7//74>' /02' .(1/2.5' N' 5' //1.32)' 32.7(0 75>29' /02' (3;' '(5' /07f)1:.' 924 7.7/(13' 1%' /02' 7@'¢0 D2992.8:.3' 07Q(3;' 735@2.29' (3' /02' 7%%((B?7/(Q2' /02' (3;' @(/0' /02' 75523f 1%' /02' -.(Q)' 1:34(' 925(.29' 0(?' 7f 1342' /1' @.(/2' 73' 1.92.' /1' /02' 1??7392.' (3' 0(2%' 1.9' ?02.5/' 7:/01.(6(3;' 0(?' /1' 2?H 1)' /02' ?((/7.)' H.1?H/)' 739' Q(;1.1:5)' (3' 9(5H2.5(3;' /02' .(1/2.5' @(/01:f .2I:((R (3;' 73)' @7..73f %(B1?' /02' (Q(' -1@2.5' 0(5' 41??739' D2992.8:.3' (5' 9254.(829' 75' 07Q(3;' 182)29' >322(3;' :H13' 132' >322' 7f /02' 41:34(R/78 2F' 02' 1H(3(13' 1%' /02' //1.32)' 232.7' 57(9' /02' (3;' 079' 7@7)5' 8223' 0(5' 1@3' 1H(3(13' 8:f 02' 079' 31f 0(/02./1' Q23/:.29' /1' ;(Q2' (f 2MH.255(13' 07f 1H(3(13' 7 51' @75' 75523/29' /1' 7' %2@' 97)5' 7%/2.@7.95' 8)' 1.9' 735%(2 9' N (5' 7G25/)' 739' /0152' @01' 079' 79Q(529' 0(?0' 57(9' /02' ;(B27f 7@)2.' (3' /02' 1:52' 1%' 1.95' N079' 74/29' (3' 5/.(4f 413%1.?(/)' /1' /02' 1??13' 7@' 02' ?((/7.)' 079' 8223' 47 29' (3' 739' Q2.)' @(52)' 47 29' ?' 31f 75' 51 9(2.5' 8:f 75' 4(/(6235' 1' ?7//2.' @02/02.' /02(.' 417/5' 82' .29' 1.' 8.1@3B/02)' @2.2' 2?H 1)29' 31f /1' 5:8Q2.f 8:f /1' H.252.Q2' /02' 7@5' 739' 135/(/:/(13' @0(40' @2' 7' H.(62' 51' 0(;0)F=%' (501H' 2@/13' ?23/(135' 1.9' 735%(2 9=5' 5H2240' 13' /0(5' 1447J 5(13' 75' N132' 1%' /02' %(325f 739' 78 25f /07f 2Q2.' @75' 027.9' (3' -7.(7?23/

F' 91 H0:5=5' (5/1.)' 1%' /02' 2(;3' 1%' 21.;2' L' Q1' (((' H' +V*' S/0' 9(/(13' 02' 4:5/1?' 1%' >322(3;' /1' /02' 1Q2.2(;3' 413/(3:29' /1' 7' ?:40' 7/2.' H2.(19' /073' H2.07H5'(5' ;232.7)' 5:HH1529' 02' 7/2' 7.I:(5' D2 25 2)' B@01' 75' 24.2/7.)' 1%' /7/2' 9:.(3;' /02')27.' !"!*' 079' 14475(137' 744255' /1' /02' H.252342' 1%' 21.;2' /02' 0(.9' :529' /1' ?23/(13' /07f (f @75' 0(5' 32Q2.R%7((3;' H.74/(42' /1' >322' /1' /02' (3;' 13' 23/2.(3;' /02' .1)7' 4 152/

I' 1.9' 7?H82=5' (Q25' 1%' /02' ,0(2%' :5/(425' Q1' ((' H' VL*'
(501H' 2@/13=5' D1.>5' Q1' ' 0

3' /02' ?273' /(?2' @0(2' /02' -.(Q)' 1:34(' @75' 5/(' 5(//(3;' 7/' D0(/207 B' /2..(8 2' 542325' 1%' 1:/.7;2' 739' 01..1.' @2.2' H755(3;' (3' 1/02.' H7./5' 1%' 13913' 3' /02' 41?=52' 1%' /0(5' 97)' /@1' 9(%%2.23/' /01:;0' 07HH( )' :35:4J 4255%:' 7//74>5' @2.2' ?792' 13'/02' 73>' 1%' 3; 739' 02' 2M/235(Q2' 9(5/(2.)' H.2?(525' (3' 1 81.3' 1%' .' 73;97 2' 7' @27 /0)' 1?73' 7/01 (4' @2.2' 7//74>29' 739' 52/' %(.2' /1' X /02' /1 R;7/25' 13' 74>%(.(7.5' .(9;2' @2.2' %1.429' 1H23' 739' H:392.29X 739' 75/)' /02' 22/' /02' 7.507 527' 739' /02' (3;=5' 2340' -.(5135' @2.2' 8.1>23' (3/1' 739' 75' 5113' 75' /02' H.(5132.5' 079' 8223' .2 27529' @2.2' 52Q2.7)' 41? ?(//29' /1' /02' % 7?25

:/' (%' (3' /02' 8.179' (;0/' 1%' 97)' /0252' 542325' 1%' 737.40)' 739' 925/.:4/(13' @2.2' %27.%:' /1' 11>' :H13' %7.'' ?1.2' /23(8 2' @75' /02' 75H24/' @0(40' 13913' H.2523/29' 7/' 3(;0/' /' 132' 739' /02' 57?2' /(?2' @2.2' /1' 82' 41:3/29' /0(./)R5(M' Q75/' 739' 9(5/(34/' 413% 7;.7/(135' 2Q2.' 5(342' /02' .27/' (.2' (3' /02' .2(;3' 1%' 07. 25' /02' 24139' 079' 13913' H.2523/29' 7' (>2' 54232' 1%' 7@%:' ';.7392:.' 02' 3(;0/' 07HGH2329' /1' 82' 132' 1%' :3:5:7' 827:/)X /0:5' 8.(3;(3;' (3/1' 5/.13;' 413J /.75/' /02' @.7/0%:' H755(135' 1%' ?73' 739' /02' 5(3;:7.' 1Q2J (3255' 739' 52.23(/)' 1%' /02' 027Q235' 1.2' /073' 132' 9(5J /(3;:(5029' 413/2?H1.7.)' 075' 82I:27/029' :5' @.(//23' .241.9' 1%' 0(5' 07Q(3;';7629' :H13' /02' ?(3; 29' /2..1.' 739' 827:/)' 1%' /07/' 2Q23/%:' 3(;0/' (8813' 11>29' 13' 739' H0(151H0(629' 1Q2.' /02' 92;.797/(13' @0(40' 079' 82%7 23' 0(e' 41:3/.)' N' :.' 973;2.'(5' 7/' 73' 239 0' 02' @.(/25' 7' %2@' 97)5' 7%/2.J @7.95' N' 8:/' 1:.' 9(5;.742' @(' ' 82' 75/(3;' 739' /02' ?13/0' 1%' :32' !$"*' @(' 2Q2.' 82' ?7.>29' 8)' 7' 97.>' 739' 9(781R

F' /1;2/02.' 8)' /02' (3;=5' 41?? 7395' /0.22' 9(%%2.23/' 1:34(5'@1.2' 5:??1329' /1' 92 (82.7/2' .25H24/(3;' /02' .(1/5X 132' 13' /02' V/0' 1%' :32' 739' /@1' 13' /02' $/0' 1' /02' 75/' 1%' /02' /0.22' /02' :>2' 1%' -1./ 739' 1.9' 14>(3;07?' 1.9' 21.;2' 7Q23J 9(50' 739' 1/02.5' 1%' /02' 279(3;' D0(;5'@2.2' 2MH.255)' (3Q(/29' <+#' C ' 'H ' > ,')' D)# 1:8/ 255' /02' ?7(3' 18G24/' 1%' /02' (3;'@75' /02' 37/:.7' 739' 7:978 2' 132' /07/' /02' 5/.(3;23/' 5/2H5' @0(40' @2.2' 781:/' /1' 82' /7>23' %1.' /02' .25/1J .7/(13' 1%' H2742' 739' 1.92.' 501:9' 07Q2' /02' 5734/(13' 1%' ?23' 1%' 81/0' H7./(25' (3' H1 (/(45

27' %737/(4(5?' @0(40' ' 079' 5:HH1529' /1' 82' 2M/(34/ 0F' .' 103513' @.(/25' /1' .5' 0.7 2' %(R1?' 0(5' ; 11?)' 5/:9)' (3' 1 /' 1:./< N' 32' ?(;0/' 522' /02' ; 7.2' 1%' 413J % 7;.7/(13' %(' /02' 5>)' %.1?' ?73)' H7./5' /02' 5(;0/' @75' 9(B279%: 0/' 1.742' D7 H1 2' @023' 02' 75423929' %.1?' /02' 8.((73/' 9.7@(3;R.11?' 1%' 1:425/2.' 1:52' /1' (/5' .11%' @(/325529' 7' 54232' @0(40' 02' 9254.(825' 75' N/02' ?15/' 01..(8 2' 02' 2Q2.' 8202 9 0(G' .7882 < N' 7/:.2=5' 5/2.325/' H7(3/2.' 739' (/5' 825/' 0 < @75' 7' /01:;0/%:' @7392.2.' 7?(95/' /02' 01..1.5' 739' H2.(5' 1%' /02R3(;0/' 75/)' D((7?' -(//' /023' 7' 07.9J @1.>(3;' 5/:923/' (3' (341 3=5' 33' 9254.(825' /02' 734(23/' 7@R' 41:./5' :H13' @0(40' 02' 11>29' 91@3' 75' 5/(' 5:..1:3929' 13' 7' 5(925' @(/0' %(.2' 8:/' 02' 7995' N@2' ?7)' 31@' 5 22H' 7;7(3' 75' (3' 7' 0.(5/(73' 41:3/.) 0e

27.%:' 01@2Q2.' 75' @2.2' /02' %7?25' @0(40' ?1:3/29' /1' /02' 027Q235' /02(.' 2%%24/' 13' /02' (?7;(37/(13' @75' 255' 07(DR' (3;' /073' @75' H.19:429' 8)' /02' @01 257 2' 54232' 1%' 0:?73' 92;.797/(13' 739' 92H.7Q(/)' @0(40' @75' R(;0/29' :H' 8)' /02(.' :301)B' ; 7.2' 02' 9(5/.(4/' ?15/' .(%2' @(/0' 1@' 5235:7J (/)' 7HH27.5' /1' 07Q2' 8223' /02' 32(;081:.0119' 1%' 1 81.3' (' @02.2' /02' 413% 7;.7/(13' .7;29' /02' %(2.425/' 02' % 7?25' 8:.5/(3;' %1./0' (3' Q1 :?25' %.1?' /02' 01:525' (3' 22/' 7.>2/' %.1?' /02' 22/' -.(513' %.1?' 7.37.9=5' 33' 739' %.1?' 73;97 2=5' (5/(2.)' @2.2' .2392.29' ?1.2' /2.(=(8)' Q(Q(9' (3' 41352I:2342' 1%' /02(.' 82(3;' %29' 8)' /02' 5(=27?5' 1%' 8:.3(3;' 5H(./5' @0(40' % 1@29' %.=1?' /02' 75/R37?29' 25/78 (50J ?23/' 3' /02' %(2.42' ; 7.2' ?23' @1?23' 739' 40(9.23' @2.2' /1' 82' 5223' .:50(3;' %.1?' /02(.' 01?25' 47..)(3;' 1%' 5:40' 7./(4 25' 1%' H.1H2./)' 75' /02)' @2.2' ?15/' 73M(1:5' /1' H.252.Q2' -7(5' %:' 1%';(3' @2.2' 073929' 781:/' 7?13;' /02' 4.1@9' 1/' 13)' ?23' 8:/' @1?23' 739' 40(9.23' @2.2' /1' 82' 5223' 5:4>(3;

F' (88135' (542 7321:5' D1.>5' H' L**' 9' !"L$
]' .1>2.=5' 15@2 =5' (%2' 1%' 103513' H' #S"' 9' !"S"'
(' D7 H1 2=5' 2//2.5' Q1' Q((' HH' L"#' ",*
e' 7.' /7301H2=5' (%2' 1%' -(//' Q1' (' H' S!

/(H' ;(3' 739' 1/02.' 5H?/:1 :5' (I:1.5' 75' /02)'% 1@29' 7 13;' /02' >2332 5' 2.2' 739' /02.2' 7)' 9.:3>23' @.2/4025' 13' /02' ;.1:39' (3' 7' 5/7/2' 1%' (35235(8((/)' 1?2' 1%' /02' .(1/2.5' @0(2' (3' /0(5' 5/7/2' 7.2' 57(9' /1' 07Q2' 12.(5029' (3' /02' %7?25' X 1/02.5' /1' 07Q2' (/2.7)' 9(=:3>' /02?52 Q25' /1' 927/0' 2(/02.' @2.2' /02' 013R1.5' 1%' /02' 3(;0/' 413%(329' /1' @07/' /02' 2)2' ;73429' :H13')' /0(5' /(?2' /02' ?((/7.)' 079' (3' ?1.2' /073' 132' I:7./2.' 8223' 8.1:;0/' (3/1' 8 119)' 41 (5(13' @(/0' /02' H21H 2' 739' 7441.9(3;)' /02' 51:395' 1%' :R.2;:7.' 9(5407.;25' 1%' ?:5>2/.)' 8 239(3;' @(/0' /02' 54.27?5' 1%' @1?23' 739' 40(9.23' 739' /02' 31(52' 1%' %7 (3;' .7%/2.5' 739' 4.750(3;' .11%5' H.19:429' 73' 2%%24/' @0(40' /02' (?7;(37/(13' ?(;0/' %(39' (/' 9(%%(4:/' /1' .27 (52' 39')2/' 0(921:5' 75' @2.2' /07/' 97)' 739' 3(;0/' @2' %(39' /02' ?73' 1%' 8:5(3255' 739' /02' Q1/7.(25' 1%' H 275:.2' H:.5:(3;' /02(.' 1.9(37.)' 144:H7/(135' 7HH7.23/)' 75' :341342.329)' 75' (%' 514(2/)' 079' 31' 14475(13' %1.' /.2H(97/(13' ?(15(/)' 0:3(29' /02' @27 /0)' 739' /02' %.(Q1 1:5' %(R1?' /02' 4 7.2/R81// 2' 739' /02' 0767.9R/78 2' /1' /02' @1.5/' 542325' 1%' 413% 7;.7/(13' 739' 47.J 37;2' 02' H:8 (4' H 7425' 1%' 7?:52?23/' 413/(3:29' 1H23' 75' :5:7' D 7 H1 2' (34(923/7)' ?23/(135' 79)') 258:.)' 07Q(3;' 8223' 7/' /02' /027/.2' (3' /02' 7)?7.>2/X 739' @023' 02' 0(?52 %' .2R23/2.29' /02' 9.7 Q(3;R.11?R' 1%' 1:425/2.' 1:52' (/' @75' /1' ;.22/' /02' :>2' 1%' 1:425/2.' 739' /02' 79(25' D 7 94;.7Q2' 13' /02(.' .2/:.3' %.1?' 732 7;0' 7.9235 F' D.7M7' ?23/(135' /07/' 132' 1%' /02' (34(923/5' @0(40' 5/.:4>' 0(?' ?15/' %1.4(8)' 13' /02' 3(;0/' 1%' /02' $/0' @75' 0(5' 07Q(3;' 8223' H75529' 8)' 7' @7/40?73' 327.' /' 39.2@=5' 0:.40' 1 81.3' @01' @(/0' 0(5' 73/01.3' (3' 0(5' 0739' @75' 47 (3;' /02' 01:.' (3' /02' :' ;7.2' 1%' /02' 413J %7;.7/(13' @(/0' /02' 57?2' 7HH7.23/' :341342.3' 75' (%' (/' 079' 8223' 7' 527513' 1%' /02' H.1%1:3925/' /.73I:((/)'%

N' %0' @.(/25' (501H' 2@/13' N'/02' (3;' 1%' 0(5' 1@3

F' D7H125' 2//2.5' Q1' Q((' H' L""
/' D.7M7=5' (5/1.(47' 2?1((R5' 1%((5' PQ3' (?2' Q1' ('H' LL"

31/(13' 79 31/ 1.92.29 %1./0 /02' 51 9(2.)' /02 4(/(25 1%
13913 739 D25/?(35/2.' ?(;0/ 07Q2 8223 (3 75025 0
:.(3;' /02 3(;0/' /02 /.11H5 31/ 13)' 74/29 @(/0 Q(;1:.'
8:/'(3 /02 32(;081:.0119 1%/02 73>' 1% 3; 739'(3 .(9;2
/.22/' 74>%.(7.5' 739 13 /02 8.(9;2 (/52 %' /02 47.37;2
@75 /2..(%(4' 1 41?H 2/2 73 2M7?H 2' (39229' @75 ?792
1% /02 .(1/2.5' /07/' 7 /01:;0 /02 501H5 .2?7(329 4 1529' :325'
13 /02 %1 1@(3;' 97)' 739 7 ;232.7' ; 11?' H2.Q7929 /02
?2/.1H1(5' (// 2 @1.>' @75 2%/ /1 /02 ?((/7.)' /1 H2.J
%1.?' 82)139 /27.(3;' /02 8 :2 414>7925 %.1?' /02 07/5 1%
/0152 @01 @2.2 5/(' 81 9 231:;0 /1 @27.' /02?' 739 7..25/J
(3;' 7 %2@ 1% /02 .788 2' @01' (3 01H25 1% 82(3;' 78 2 /1
.2>(39 2 /02 413% 7;.7/(13' 079 413427 29 /02?52 Q25 7?13;'
/02 5?1:92.(3;' .:(35 1% 2@;7/2' ' 579 2341:3/2.'
(39229' /11>' H 742 (3 /02 41:.52 1% /02 97)' (3 22/ /.22/'
@02.2' @(/0 7 02.1(5?' 9252.Q(3;' 7 318 2.' 47:52' 7 8739 1%
.2(;(1:5 23/0:5(75/5 31/ 13)' ?792 7 5:9923 739 %:.(1:5
7//74>' :H13 /02 :7.95' 8:/ ?7(3/7(329 73 :32I:7'
413/25/ @(/0 /02?' /(' /@23/)' 1% /02 7557(73/5 079 8223
>(29 739 /00/)R%(Q2 @1:3929' ' H2.513' @01' @75
H.2523/ @023 /02 51 9(2.5 .2/:.329 /1 /02 1.52 :7.95'
9254.(829 /02(.'87)132/5 75 (/2.7)' 5/22H29 (3 8 119 % N'
@23/ /0.1:;0 /02 4(/)')25/2.97) 0 @.(/25 .)9132 /02
.7Q2 2.' 13 /02 ,/0' N 739 57@ Q2.)' (// 2 9(5/?R87342
02)' 07Q2 .2/(.29 /1 :.>(3;RH 7425' 739 ' 91 31/ 82 (2Q2
/02)' @(' 2Q2.' 97.2 /1 41?2 %1./0 7;7(3' 02 4135/2.37J
/(13' 01@2Q2.' @75 :3(Q2.57' 739 7 ' /02 501H5 @2.2 50:/ 7/
%(Q2 1=4 14>' :2 %7;5 @2.2 %)(3;' %.1?' 2Q2.)' 01:52'
-7./(25 1% /02 :7.95 @2.2 523/ /1 H:' /02?' 91@3' 739 /1'
H:' /02 8 :2 414>7925 %.1?' 2Q2.)' 07/' 73)' ?792 .25(5/J
7342' 8:/ 7/ 75/ 7 ' 41?H (29 0\
441.9(3;' /1 /02 .2/:.35' H.2H7.29 (3 /02 1??7392.' (3

F (501H 2@/13=5 D1.>5' Q1 '('H' !#*
]' D7 H1 2=5 2//2.5' Q1 ' Q((' H' L",'
(' 2?1(.5 1% (.' 182./ ' 2(/0' Q1 '((' H' ,"

0(2%=5 %%(42 /02 3:?02.1% 4(Q((735 @01 @2.2 2(/02.
>(29 1.9(29 1%/02(.@1:395 @75 /@1 0:39.29 739 2(;0/)R
%(Q2X /02.2 82(3;825(925 132 0:39.29 739 52Q23/)R/0.22
H2.5135 @01 @2.2)(3;52.(1:5)@1:3929 (3 9(%%2.23/
015H(/7 5 0252 .2/:.35 01@2Q2.?792 31 ?23/(13
1% 5:40 1% /02 @1:3929 75 @2.2 78 2 /1 4.7@ /1 /02(.
1@3 01?25 1./1 /02 01?2 1% 7 %.(239 31.1% /02 9279
@01 @2.2 47..(29 01?2 8)/02(.75514(7/25 02)?792
31 ?23/(13 1% /02 3:?82.1% H11.@.2/4025 @01 9(29 %.1?
/02 2%%24/5 1% (3/1M(47/(13 X 31 ?23/(13 1% /0152 @01 2(/02.
H2.(5029 (3 /02 %7?25 1.@2.2 4.:5029 /1 927/0 8)%7%%(3;
01:525 X 31.75/)1%/02 ?73)(331423/75 @2 75 ;:(/)
H2.5135 @01 (3 7 92352 739 7;13(6(3; H.255:.2 1% 0:?73
82(3;5 @0(40 /11>H 742 13 74>%.(7.5 .(9;2 @2.2 2(/02.
4.:5029 /1 927/0 1.%1.429 1Q2./02 H7.7H2/5 1% /02 8.(9;2
(3/1 /02 07?25)7 /74(/739 7HH7(=23/)232.7
413523/ 1% 7 H7./(25 31 /.(8:37 2(/02.-7.(7?23/7.)
1. :9(4(7 (3Q25/(;7/29 /02 01..1.5 739 524.2/5 1% /07/
%7/7 3(;0/ 3 1.92./1 7Q1(9 92/24/(13 /02 @1:3929
413427 29 /02(. @1:395 @0(2 /02 5/.13;2?H 1)29 /02
01:.5 1% 97.>3255 (3 5/.(HH(3;/02 9279 819(25 1%B/02(..2 7J
/(Q25 739 %.(2395 @0(40 /02)/023 1@2.29 2(/02.(3/1
/02 8 74> @7/2.5 1% /02 22/U (/40 10 2 52 (3/1 51?2
1854:.2 4.22> 1%/02 07?25 0(9923 %.1?/02/2 R/7 2;7.2
1% /02 2MH(.(3;413(7;.7/(13 02 57?2 925(.2 /1 5:HH.255
/02 8.179 739 /2..(8 2 /.:/0 7HH27.T /1 07Q2 8223 507.29
8)/02 %.(2395 1% 1.92. 2%1.2 97)(79 97@329 /02
8 119R5/7(329 @7 5 1%/02 73> 1% 3; 739 079 8223 @0(/2J
@75029Z /02B (?H.255(135 2%/ 8)?:5>2/R87 5 13 /02 1HH1J
5(/2 01:525 079 8223 18 (/2.7/29 739 %.250 27./0 7(9 1Q2.
/02 4.(?51329 .179@7)1% 74>%.(7.5 .(9;2 1 (..7J
/(137 079 8223 /02 7/2 1:/8.27>/07/P 4 75H5 1% 514(2/)
522?/;07Q2 :3(/29 (3 132 41??13 925(.2QB /1 8:.)(3
18 (Q(13 (/5 9(5;.7425 K (/5 (1.. .5w 739B (/5 5/:H(9(/) Q23
/02 HH15(/(13 2792.5 /2%.7?29 %.1?7>(3; H1 (/(47

47H(/7' 1%' /02' 5:H(323255' 739' (..251 :/(13' @0(40' 079' ?7.>29' /02' 4139:4/' 1%' /02(.' 1HH1323/5' Q23' D(>25' /11' /02' %1.?2.' 407?H(13' 1%' H1H:7.' (42352' 31/' 13)' 924 7.29' (3' %7Q1:.' 1%' 1.92.' 8:/' 75' 7' ?7;(5/.7/2' H2.%1.?29' ;119' 52.Q(42' %1.' 514(2/)' %' 02' @2.2' /.:5/29' @(/0' H1@2.' 02' 57(9' 31/' 7' .(1/2.' 501: 9' 82' 2%/' 7 (Q2 F

02' 415/' 1%' /02' ?(540(2%' H2.H2/.7/29' 9:.(3;' /02' 1.913' (1/5' 7?1:3/29' /1' `!"* ***' 02' 3:?82.' 1%' H2.5135' @01' @2.2' 8.1:;0/' :H' %1.' /.(7' @75' 132' 0(?9(B29' 739' /0((B/)R%(Q2' 1./)R3(32' @2.2' 47H(/7)' 413Q(4/29' 1%' @01?' /@23/)R3(32' 40(2%)')1:3;' ?23' 739' 81)5 %' 5:%%2.29' 8)' /02' 07395' 1%' /02' 073;?73' 3' /02' ?273' /(?2' 1.9' 21.;2' 1.913' 079' 8223' 7..25/29' 7/' 0(5' 01:52' (3' D2 824>' /.22/' 7Q239(50' I:7.2' :392.' 4(.4:?5/73425' @0(40' .2% 24/29' (// 2' 4.29(/' 13' /02' H.:92342' 1.' %1.25(;0/' 1%' (3(5/2.5' 79' 7' H.1H2.' 41:.52' 8223' %1 1@29' 02' @1:9' 07Q2' 8223' 73R25/29' I:(2/)' (3' /02' 3(;0/R/(?2' 739' /0.1@3' (3/1' 73' 1.9(37.)'G7(' (35/279' 1%' @0(40' 02' @75' 31/' 13)' 9(;3(%(29' @(/0' 7' 19;(3;' (3' /02' 1@2.' 1%' 13913' 8:/' @75' 47..(29' /0(/02.' (3' /02' 1H23' 97)' 2541./29' 8)' 7' ?1.2' (?H15(3;' ?((/7.)' %1.42' /073' 079' 7//23929' 07.25' /02' (.5/' 13' 0(5' @7)' %(R1?' /' 7?25=5' -7 742' /1' /02' 547%%1 9' 1.21Q2.' (35/279' 1%' 82(3;' 7..7(;329

F' .1>2.=5' 15@2 =5' (%2' 1%' 103513' H' #S"" X 9' !"S$' N' .' 103' D(>25 0 @.(/25' .' 103513' %.1?' 1/' 1:./' 22/' /.22/' N @75' /0(5' 97)'(3' ?)' 32(;081:.J 0119' /1' 52(62' /02' H:8 (502.' 1%' 7' 529(/(1:5' H7H2.0' .' 103513' 7 51' (3%1.?5' :5' /07/' D(>25' 027929' 7' H7./)' /07/' 827/' 874>' /02' .788 2' (3' 132' 1%' /02(.' :35:44255%:' 7//74>5' :H13' /02' 73>' '5 #' H' #S"

]' D7 H1 2=5' 2//2.5' 1' Q((' H' S++' 02' /.(7 5' /11>' H 742' 7/' /02' 9' 7(2)' /02' H.25(9(3;' G:9;2' 82(3;' D2992.8:?' @01' (3' /02' ?273' /(?2' 079' 8220' 79Q73429' /1' /02' 0(2%' :5/(4250(H' @(/0' /02' /(/2' 1%' 7.13' 1:;081.1:;0' 02' @07 257 2' 739' H.24(H(/7/2' ?7332.' (3' @0(40' /02' H.(5132.5' @2.2' /.(29' 739' 413Q(4/29' 739' /02' (39(54.(J ?(37/2' 52Q2.(/)' 1%' /02' 523/23425' H7552 9' :H13' /02?' 079' 31/' 8223' H7.7 2 29' (3' (392J 4234)' 5(342' /02' 97)5' 1%' :9;2' 2%%2.(25' 1 4.1%/' /02' 9.7?7/(5/' @01' 4135/73/)' 7//23929' /02' /.(7 5' :529' 25H24(7)' /1' ?23/(13' /02' 5/(R13;'(?H.255(13' 2%/' 13' 0(5' ?(39' 8)' /0W' 827.(3;' 1%' 7?73' 1-FP7' 5/.13;' 5/2%0' 5235(8 2' 41:3/237342 0' 13' 82(3;' /0:5' 5:?7.()' 413Q(4/29' 739' 523/23429' 341354(1:5' 7HH7.23/)' /07/' 02' @75' 1Q2.027.9' /02' H11.' %2 1@' ?:/2.29' /1' 0(?52 %75' 02' @75' 82(3;' .2?1Q29' %.1?' /02' 87.' <N' 01./' 739' 5@22/<(331423/' 8)' <9' T0' <4 $' 4 ' I) ' H' !!S' 9(/(13' !"V+' 1 4.1%/' (5' >31@3' /1' 07Q2' 8223' /02' 7:/01.' 1%' 7' - 7(3' 739' :44(34/' 7..7/(Q2' 0' 1%' /02' 1.913' (1/5' @0(40' @75' H:8 (5029' 7/' /02' /(?2' :392.' /02' 37?2' 1%' D((7?' (3423/

5(?H)%1.7?(592?2731:.@0(40@1:9(37 H.1878(/)
07Q2 29/1 413Q(4/(13 02@75Q2.):3@(52)/.(29 13/02
(?H15(3;407.;2 1%0(;0/.27513 /0(5/(B(7 0(5 8207J
Q(1:.@75 75 24423/.(4 75 (/ 079 8223 (3/02 1:52 1%
1??135 N 02(P.9%.1?7H2.513@01 7//23929/02
/.(7 0@.(/25 73370 1.2 N/07/02 318 2 H.(5132. 75
/02H7H2.5 47 0(? 079 7 I:7./1 (8 2 82%1.2 0(?7 /02
/(?2 739@75Q2.) 73;.) 8247:52 02@75 31/H2.?(//29/1
.279 %1:. 407H/2.5 (3C2407.(70 0F 1/02 23/0:5(75/(4
92(;0/1%0(5 5/(3:?2.1:5 H7./(5735 /02 ?(540(2Q1:5
%737/(4@75 74I:(//29 F N-:8(4 073>5;(Q(3;5 0@.(/25
73370 1.2 @2.2.2/:.329 75/ :397)(3 52Q2.7
40:.4025%1./02 74I:(//7 1% 1.9 21.;2 1.913 >31@
51?2@01 74/:7)027.9(/(3 :92) 07H2 0%N 7?
;790@75 /02 1852.Q7/(13 1% . 103513 N/07/ 1.9
21.;2 1.913 075 2547H29 .7/02./073 /07/7H.242923/
501:9 82 25/78 (5029%1. 073;(3;7?73%1. 135/.:4/(Q2
.27513 0\
02 (//2 @0(40 .2?7(35 /1 82 /1 9 1% 1.9 21.;2
1.913 ?7) 82 8.(2%).27/29 (5 2M(5/2342 413/(3:29/1
82 7 41?H7.7/(Q2) 1854:.2R 132 /(/02)27./ !$"$ @023
07Q(3;8223 %1:39 ;:(/) 1% /@1 52H7.7/2 (82 5 /02 132
:31 # 7;7(35/ /02 A:223 1% .7342 739 /02 1/02./ 7;7(35/ /02
.2340 ?8755791./ (2R @(/09.2@= 1 739 (3 /02 01H2
1% 2547H(3;/02 4135WI:23425 1% 0(5/.70;.255(135 02.2
P01@2Q2./ 02 @75 7..25/P .Bn) / 2 :/P(F :/01.(/(25 739
07Q(3;8223 41?H2 29 8) /02?/1 50(H 0(?52 %874>%1. 3;R
739 EG)75/7>23 (3/1 4:5/19)7/ (Q2.H11 739 41??(//29/1
2@;7/2 02 4 (38(92342 (5%7/02.7R.2?7.>78 2 132 /07/
U/02 97)13 @0(HO 0P@75 5:852I:23/)/.(29 41G8 (4/29 739
523/23429/1 H755/02B.2?7(392._1%BO(_R2M(2/2372 @(/0(R3 P(/5
(Q;5 EDW5/02=73:(Q2.57.)=1%R%/02 132 H3 @0(4 P/02 3(75 D 2
B29(%(82 079b 8223R 47H/:.29U739R413?(((//29 F/P /02 %7?25
≤ R B (
] U 2(31(.581% 73370 1.Q1 d EH !,, % H +**
d .1>2.=5 15@2(.5 (%1 1% 1o?51 GPH_P#"L

8)' 0(5' 9(54(H 25' N' 1.9' 21.;2' 1.913 0' B@.(/25' PP /1.2.' /1' 1.9' :4> 739' 13' /02' !S/0' 1%' 242?82.' !$"$' N(5' 3391:8/29)' (3' H.(513' 739' 075' 8223' (Q(3;' (3' /02' 9.255' 739' 514(2/)' 1%' 2B@5 OF' 3' 799(/(13' /1' /02' N' 9.255' 739' 514(2/)' 0' 1%' /02' 2B@5' 1.9' 21.;2' 31/' 13)' 791H/29' /02(.' .2 (;(13' 8:/' 2Q(3429' /02' 5(342.(/)' 1%' 0(5' 413Q2.5(13' 8)' :392.;1(3;F' /02' H7(3%:' (3(/(7/1.)' .(/2' H.254.(829' 8BP :97(5?'%' 02' %737/(4' 0.(5/(73' 079' 8241?2' /02' %737/(4' 9(582 (2Q2.' (3' 0.(5J /(73(/)' 02' %1.?2.' 407?H(13' 1%' -.1/25/73/(5?<' /02' 54(13' 1%' 73' (:5/.(1:5' 1:52' /02' ;19513' 1%' 21.;2' /02' 24139<' 9(29' (3' 2@;7/2' 1%' /02' G7(' 9(5/2?H2(=H3' /02' !5/' 1%' 1Q2?82.' !$,L' 7/' /02' 7;2' 1%' %1./)R/@1' 02' 41354(1:53255' /07/' /02' 2@5' @1: 9' 923)' 0(?' 52H: /:.2' (3' /02(.' 42?2/2.(25' (5' 57(9' /1' 07Q2' 2?8(//2.29' 0(5' 4 15(3;' 01:.5' 3' 73' 1854:.2' 8:.(7R' ;.1:39' 7//74029' /1' 7' 07H2' 1%' 752' 13' /02' 275/' 5(92' 1%' /02' 7?H5/279' 179' .25/' (3' /02' 32(;081:.0119' 1%' /02' 0131:.29' ;.7Q25' 1%' 21.;2' 1. 739' 739' 103' 1HH32.' /02' .2?7(35' 1%' 132' @0152' %7/:(/)' 739' %737/(4(5?' @2.2' /02' 14475(13' 1%' 51' ?:40' ?(540(2%' 8 1195029' 739' 5:40' (392 (8 2' 37/(137' 9(5;.742' 75' (/' 075' 8223' 1:.' /75> /1' .241.9' 1' ?2?1.(7' H1(3/5' 1:/' /02' 5H1/' @02.2' 02' (25

U' :4> ((39' 1..25H' Q1' (' H' SVL
]' 02' 7:/01.' 075' (3' 0(5' H155255(13' 7' .7.2' 739' 4:.(1:5' H.(3/' .2H.2523/(3;' 1.9' 21.;2' 1.913' H755(3;' /0.1:;0' /G1' 1.927' (3' I:25/(13PP' 02' .(/2' (5' 82(3;' H2.%1.?29' 8B7' @1?73' @0(2' 7' 788(' 5/7095'0)' 7G' H7.23/)' .279(3;' H.7)2.2

U - &&&

02 3;7557:/29P0(5 2973R 07(.RE@023H.14229(3;R/1/02 7)?7.>1f 027/.2 <(./0 1 -.(322 1H0(7< 1?25/(4 (%2 Pf 1@< .5P 2 73yj >2/4025 B 1% /02 1)7 7?() <. (501H :.9 -.242H/1./1/02 -.(342 1% P)7Z15 739 /02 ;(>2 1% 1.>< . .31 9 :0.-.2(22H/1%/<Y27/0 1%/02 /@1)1:3;25f 1% /OW (3;=5 135 -.(H 2 H%29 739 -.(322B 4%2Q(:5RP 01 (3;B5 %22 (3;5 7.(9 413J 9:4/G7398 2./0252B 2.27Q2P23/5< (/0 8% .(0I255 ?2 (7E B U B

- /1 1@(0;j.7/ (2(2@2Q23/5 1% BB73)G /2k25/ B5(342%@2 %2/ H7./29 P1?21.;2R/((2 0(.9 (3 0(5 (39(Q(9:7 H02?=7HH27.R/7 07Q2 402I:2.29 /02 1/02.@(52 2Q23 E/231.B1% 0(5 2M(5/2342 U ^ $ 9 9

3 /02 +"/0 1% :32 !$$$ 75 /02R (3;@75 13 0(5 @7) /1 /02 027/.2N(3 /02 7)?7.>2/ 73 (3%:.(7/29 %2?7 2 ?792^B7 .:50 R7/ 0(5 52973R407(.R ?75029 132 1% /02 @(391@5 739 @75 H.14229(3;/1 ^1/02./74/5 1%RQ(1 2342 @023 502 @75 52(629 8)/02 .1)7 7//23973/5 739 073929 1Q2./1/02 H2742R1%%(42.5 '

3 /02 L.9 1% 1Q2?82./%1 1@(3;A:223 07.1//2F;7B(.2 U8(./0 /1 /02 7/2 -.(34255 1H0(7 @01 @75 87H/(629 13 /02 !5/f 1% /02 %1 1@(3;?13/((7/ /7?25=5 H7 742

3 /02 +$/0 1% :) /02 %1 1@(3;_)27./@2 %(39 /02 (3;7//239(3;/02 24/(13 5H224025 7/ /13</07/ %7Q1:.29 54011 (3 @0(40 02 32P2H %7(29 /1 /7>2 73 7%%24J /(137/2 (3/2.25/ /@75 13 /0(5 14475(13 /07/ /02 H7/02/(4 2 1I:2342 @(/0 @0(40 /02 7/2 7.I:(5 D2 25 2) 92 (Q2.29 1.9 /.7%%1.9=5 5H2240 j/R 0(5 /.(7 (5 57(9 /1 07Q2 9.7@3 /27.5 %.1?0(5 7:9(2342

3 /02 +L.9 1% 28.:7.) !$$, /02 A:223 H.2523/29 02.

' ' ' ' Y' B R+L,

41351./' @(/0' 73' 2(;0/0' 513' @01' 13' /02'+V/0' 1%' /02(8 1@R' (3;' ?13/0' @75' 87H/(629' (3' /02' ;.27/' 41((((4(R407/382.' 7/' /' 7?25=5 8)' /0W' 37?2' 1%' -.(342' 4/7Q(:5 B739' 13' /02' ++39' 1%' 2H/2?82.' !$"*' @75' 01.3' 02.' 3(3/0' 1H' -.(342' %.29

02' 91?25/(4' Q(./:25' 1%R 21(;2' /0WB^ 0(.9 '07Q2B3i D' 8223' 9(5H:/29' (501H' 2@/13B.241.95' 75' h' 4(.4:?5/7342' @0(40' .2392.29' 0(5' 51G1:.3' 7/P 2@' ?:40' /91.2'7;.2278 2' /1' 0(?' /073' (/' @1H 9' 1/02.@(52' 07Q2B0223P' /07/' @023R 25(9(3;'X /02.2=02 @75X 78 2' /7=27.3R' 3(H%i' 8`' /02' 910(i5/(')':/Q(2 'K1%R /02' R (0;PB739' A:22.('P739B'82B' 1%/W32.' 73' W)2R@(/3W55' 3%' /02(.X4H()q;7 0hHH(3 55.T' NR 02' 327.2.' /02) @2.2' 8202 9 0' D(//25R' /02X' >01H BN /02)' 7HH27 RXPB' ;.27/2.F' 739BR?1.2F' 7?(78 2' 739' @2.2B7' 50(3(3;' H7//2.3=/I' B/02' W(GR825/' 1%' /02(.' 5:8G24/5 O P

/R 2@' @02.2B9(2' o3;X410/(3:W9' /1' H755B/02' 5((??2.P' ?13/05'E9:.(3;' ?73)' 5:44229(3;' B)27.5' 02' 92 (;0/29B?' (Q(3;' (3' /02' ;(R27/25/' H.(Q74)' B 02' 7/2Bd (3;' 1%' 731Q2.' 5HB27>(0;' 1%' 0(5^%7/02.' RQ :925 13' /02' V/0B1%' 73:7.)' !"SVP!<N' /(2' 42./7(3)' 7HH27.29' /1' ?2' /02' 7//2.' /23')27.5' 1%' 0(5' (%2<' ?273' %(R81?' !"*!' /1' !"d*<P' 1/7>2' ?1.2' (3/2.25/' (3' @07/R' @75' ;1(3;' 13' (3'PH.(Q7/2' (%2' /073' 2Q2.' 02' 9(9' 82%1.2' X'B739'?)=8.1/02.'9' /1 9' ?2' /07/' 82%1.2' ?)' /(?2P' /02' 5/) 2' 1%' (%2' @0(40'B02' :529' /1' 279' H7./' 1%' @0(40' '473' 5/(' '.241 24/e' @75' /02' ?15/' .24:52' /07/' 2Q2.' ?73' (Q29X' %1.' 02' (Q29' 75' .2;:7.' 75' 4 14>R@1.>' 2' .25(929' 4135/73/)' 7/' 2@' %.1?' 7)' /(' 1Q2?82.' 739' (/2.7)' 32Q2.' 57@'7' (Q(3;' 51:' /02.2' 8:/' /02' I:2..)' (3' KD7(/(3;' @01' 47?2' 91@3' 2Q2.)' ?1H(3;' %.1?' 13913' /1' 7441?H73)' 0(?' 13' 01.5 874>' 739' /(83' (35/73/)' .2/:.329' 874>' /1' /1@3' 51' /07/' 02' 079' 31/' 7' 5(3;' 2' ;23/2?73' 327.' 0(?' T ' 02

F' (%2' 1%' (501H' 2@/13' H.2%(M29' /1' 0(5' D1.>5' Q1('(' H' !L"
]' ' 2//2.' /1' /02' 7/2' .' .1>2.'
/' 21.;2' /02' 1:./0
e' 02' (3;' 1%' 731Q2.' @75' 01.3' 13' /02' V/0' 1%' :32' !$$!' 2' ?(;0/' /02.2%1.2' Q2.)' @2' .2/7(3' 51?2' .241 24/(13' 1%' /02' 078(/5' 1%' 0(5' 7/2' %7/02.' (3' !$"*

' 3' B <

41:9 >31@ 31/((3;/07/H75529(3/02@1.9 31.@75 7(3(5/2.H2.?(//29/1 41?2 91@3/1 0(? D2932597)5 739 .(97)5 82(3;2Q22R97)5 02 57@/02?7/ /7?25=5 0(5H7./ >31@%.1?07Q(3;@(/325529(/?)52%0 39)2/31/@(/05/739(3;/02 0(;0 7:/01.(/)1%/02 (3;1% 731Q2.(/?7).2751378)82 91:8/29@02/02. 21.;2 /02 0(.9@75 I:(/2 75(;31.73/1%@07/@75H755(3;(3/02 @1.9 75 0(5 513@1:9 279 :5/1 5:HH152 N @75(3 @7(/(3;75/@22>XO@.(/25/02 :>2 1% A:223582..)/1 21.;2 2@)3(3 H.(!$$,X N 02 (3;/7>29 7;.27/ 927 781:/)1: L + 0 02(5R H2.%24/)@2 74I:7(3/29@(/0)1:.H755(13%1.T (2 (2 OB (3/02 5:??2.1%/02)27.!$$#7HH27.5/1 07Q2 41?J ?23429/02 (3;=5 (3/2.25/(3;74I:7(3/734250(H@(/0/02 42 28.7/29 7.) .73Q(2 .5X 2 73)/023(3 02. 52Q23/)R52Q23/0)27. 0(5%754(37/(3;^739 7441?H (5029 79) 079 8223 (3/(?7/2@(/0 ?15/1%/02 H2.5135 1% ;23(:5 739@(/@01 079%1:.(5029 9:.(3;/0.22 ;232.7/(135 2. ?(39@75 5/1.29@(/0 .7.2 739 23/2./7(3(3;732491/25 739 ?2?1.(25 1%/02 H75/ 2 .2?2?82.29/02 H:8047/(13 1% /02 7/2.739 75 73370 1.2@((/25 (3 !$$#N/02 H24/7/1.(5 7?15/1/11 ?192.3%1.02./1 5H27>1%(/0 02 079 8223/02 %.(239 739 413R25H13923/1% @(%/@01 @75 81.3(3 !##$739 5:.Q(Q29/1 82 413/2?H1.7)@(/0 7 H12/@01 9(29 (3 !"VV%5 7 40(9 502 079 57/(3 /02 7H 1% 1=9 9(3;8.1>2X 739 A:223 332@(/0 02. 1@3 0739 079 N52/ 02. 91@3%1.?7(9 1% 0131:.0 02 2Q23/5 1%/02 .2(;3 1% A:223 332@2.2 7?15/1 75%7?((7. 75 /0152 1%/02 97)5 1% -(//1 739 1M 02 57?2 H2.J 513@01(3 !$!!@75(3 73 79G1(3(3;7H7./?23/7/02 ?1?23/@023 :(547.9 5/78829 7.2)7.1% M%1.9P

3 2@)3 1..25H Q1 (.'H'"#N (2 (20@75 1@)3=5 791H/29 40(9 7.(7 7P(73(7%/2.@7.95/02@(%2 1% .734(5 07.25/0(.9 7.I:(5 1% 2./%1.9
/7?:2 1;2.5 (5 92/1 :H2.5/(/(13@75H:8 (5029 !$"V /0.22)27.5 82%1.2 /02 927/0 1% .5 2 73)
(2?1(.5 1% 73370 1.2 Q1 ('H',+ L.9 9(/(13

(Q29 /1 413;.7/:7/2 21.;2 /(2 0(.9 13 0(5 2547H2 EU%.17 /02 >3(%2 1% 7(=;7.2/ (401 513 (3 !$"#' 1.' 327.)' 52Q23/)')27.5 502 @75 /02 7//74029 739 (3/(?7/2 %.(239 1% 7/02.(32 750[)119' /02 2 (7 1% /02 H12/ 7?J ?139 F 02 7:/01.' 1% /02 N (;0/ 01:;0/5 0 @75 132 1% 02.' 41(25H13923/5' 739 1.742 D7H1 2 5:8?(//29 /1 02.' G:9;?23/0(5 42 28.7/29/.7;29)' N 02)5/2.(1:5 1/02.'O%' D7H1 2=5 413Q2(B57/(13 (5 57(9 /1 07Q2 8223 32Q2.' ?1.2 H 275(3;' /073 7/ /02 /27R/78 2 1% 0(B5' 2 73)' (3 /' 7?25=5 - 742' 02.2 7 51 7552?%89 .5' 13/7;:' .5' 07H132' /02 1:3/255 1% :/2 /02 ;(%/29 97:;0/2.' 1% 79)' 7.)' D1./2)' 13/7;:' 17?2 23 ?5' .5' 7./2.', ' 15R 47@23' (55 :.32)' 73370 1.2' 739' 75/)' 1.9 1./0' 2Q2.' @(//)' 739 ;7) GX /' /02 7;2 1% 2(;0/)R52Q23' 502 9(4/7/29' 7/ /02 .2I:25/ 1% .' :.32)' 02.' .241 24/(135 1% 375/7/(7 18(3513' 739 1% /02 5/.73;2 5/1.)' 1% /02 ?7..(7;2 1% /07/ 2MI:(5(/2 5(3;2.' @(/0 /02 24423/.(4 02.1' 07.25 1.97:3/ 7.' 1% -2/2.81.1:;0 e

022.%:)' 739 :315/23/7/(1:5)' H(1:5', 2 ' 2 73)' 2Q23 @023 /0.27/2329 @(/0 155 1% 5(;0/' 739 @023 8239(3;' 82J 327/0 /02 (3%(.?(/(25 1% 1 9 7;2' .2/7(329 7 ' /02 ;119B 0:?1:.' 739 Q(Q74(/)' @0(40 079 407.74/2.(529 02.' (3 02.')1:/0' N (?2 0 @.(/25 73370 1.2 YZ N 075 /7>23 Q2.)' (// 2 %.1?' 02.' ;.7425 1.' 02.' (Q2 (3255 0 D(/0 7%%24/(135 (?40(29 8)' /(?2' 739 7 027./ :35:89:29 8)' 47 7?(/)X 92 (;0/(3;'(3 /02 514(2/)' 1% /02)1:3;' 739 (39: ;23/ /1 /02(.' @27>325525X 73(?7/29 (3 413Q2.57/(13X (923/(%)(3;' 02.52 % @(/0 2Q2.)' (331423/ 9(Q2.5(13 739 23G1)(3;' (/2.7/:.2 /1 /02 75/' 02.' 413/2?H1.7.(25 9254.(82 02.' 7/ /02 7;2 1% 2(;0/)R%1:.' 75 82(3;' 75 H7)%:' 739 73(?7/29 75 (% 502 079 8223 13)' 2(;0/223' N 02 @75 0131:.29 0 @.(/25

F 73370 1.2=5 2?105' Q1(' (' H' !#!' L.9 9(/(13
]' D7H1 2=5' 2//2.5' Q1(' Q((' H' L$'
/' 797?2 = .87)=5 2?1(.5 1% .' 3?2)' Q1(' (((' H' S"
e .5' 2 73)=5 37..7/(Q2 @(' 82 %1:39 (3 .' :.32)=5 (5/1.)' 1% :5(4' Q1(' (Q' H' +S$')'): , # \\ 2?1(.5' Q1(' (' H' ,L

797?2 = .8 7) N8) 7 @81 7HH.174029 02. 02 @75 1Q29 8) 7 @(/0 @01?5025 75514(7/29 0

:40 @75 /02 Q232.78 2 739 407.?(3; 79) /1 @0152 ;.742%: 739 ;.7H0(4 H23@2 7.2 (3928/29 %1.? 73)(3/2.25/J (3;9254.(H/(135 1% 21.;2 /02 009 5:40 75 02 7HH27.29 (3 /02 ?(95/ 1%0(5 91?25/(4 4(.4 2 1.(3 /02 514(2/) 1%/0152 @01?02 .25H24/29 739 1Q29 32 1%/02 1 925/ %.(2395 1% B 2 73) 739 H2.07H5 /02 %.(239 @01?502 1Q29 /02 825/ @75 /02 7441?H (5029 7.;7.2/ :40255 1@7;2. 1% -1./ 739 73 1 9 739 25H24(7 %7Q1:.(/2 1% /02 (3;739 A:223 02 :40255 @01 @75 7 ;.73997:;0/2. 1% 1.9 .275:.2. M%1.9 % 31/ 13) 507.29 /02 (/2.7.) /75/25 1% 02. Q232.78 2 %.(239 8:/ (>2 02. 079 8223 /175/29 8) /02 H12/5 739 @(/5 1% 7 %1.?2. ;232.7/(13 @(%/ 42 28.7/29 02. BB8(./0 739 -.(1. 075 073929 91@3 02. 37?2 /1 H15/2.(/) 8) 0(5 @2 R>31@3 (325 82;(33(3; N) 1Q2) 318 2 (// 2 -2;;) TO (342 /02)27. !$#" @023 .5 2 73) 079 /02 ?(5%1./:32 /1 152 7 82 1Q29 0:58739 502 079 8223 4135/73/) /02 ;:25/ 1% /02 :40255 1%-1./ 739 2(/02. (3 13913 1. 7/ :5/.192 -7.> (3 :4>(3;07?50(.2 N 1 522 /02?/1;2/02. O @.(/25 797?2 = .8 7) N 1%%2.29 7 Q(2@ 1% 0:?73 2M42 2342 92 (;0/%: /1 413/2?H 7/2 02) 23927.29 2M(5/2342 /1 2740 1/02. 739 13) @07/ @75 H7.J /(4(H7/29 @75 23G1)29 8) 2(/02. OGX /@75 7/ /02 7//2. ?735(13 < (3 /02 57?2 7H7./?23/5 (3 @0(40 /02 (3%7?1:5 2%%.2)5 079^B9.:3> 8:?H2.5 1% 8.739) /1 /02 027 /0 1% 7?25 /02 24139 739 (3 @0(40 /02 %1:392. 1% /02 01:52 1% 23/?4> 079 23/2./7(329 D((7?/02 0(.9 < P/07/ 0(.5 2 73) @75 %(.5/ H.2523/29 /1 21.;2 /02 0(.9 739 A:223 07.1//2 13 /02 14475(13 1% 7 Q(5(/ @0(40 /02) H7(9 /1 /02

F 2?1(.5 1% . :.32) Q1 (((H V#
]79) 7.;7.2/ 7Q239(50 7.2) 51 2 40(9 739 02(.255 1% 9@7.9 524139 7. 1% M%1.9 ?7..(29 (3 7.)R 2R8132 407H2 13R/02 !S/0 1% :) !$LS D(7?23F /(34> 524139 :>2 1% -1./ 739 02 :40255 @01 5:.Q(Q29 02. 0:58739 /@23/)R /0.22)27.5 9(29 :) $/0 !$"V [
2?1(.5 1% . :.32) Q1 (((H V!

:4 (255 : 5/.192 @ (232Q2./02 1:./ @75 7/ D(3951. @75 7 %7Q1:./2 Q(5(/(3;RH 742 1% /02 (3;739 A:223 1 02./%.(239 .5 7?(/13 F BZ[.5 2 73) @.(/25 13 /02 +"/0 1% :32 !$$,<N 02 .1)7 %7?( ) /23 (3 7 47?2 7/ !+ 1=4 14> 02 >(3;9.1Q2 /02 I:223 (3 73 1H23 407(52 02 -.(342 1% D7 25 739 -.(342 .292.(4>% .192 13 01.52J 874> X 7 @(/0 H.1H2./ 7//23973/5 8:/ 31 ;:7.95 -.(34255 1)7 G 739 79) D2)?1:/0 e (3 7 H15/R407(52X -.(3J 4255 :;:5/7 -.(34255 (6782/0 P -.(342 91 H0:5 FF 781:/ 52Q23)27.5 1 9 739 79) 07. 1//2 (340 EK (3 7 41740 X -.(342 D((7? -.(342 9@7.9 ee :>2 1% 13/7;: !!!f 739 (501H 1% (40%(2 9 PP (3 7 41740X 731/02./ 41740 %: 1% 7//23973/ ;23/ 2?23 0252 @(/0 7 /02(./ 7//23973/5 (3 .73> 739 %(2 ?792 7 5H 239(9 %(;:.2 75 /02) 9.1Q2 /0.1:;0 /02 H7.> 739 .1:39 /02 41:./ :H /1 /02 01:52 02 97) @75 75 8.((73/ 75 41:9 82 @(5029 /02 !+/0 1% :;:5/ /02 -.(342 1% D7 25=5 8(./097) FFF 02 I:223 @75 (3 7 07/ 739 73 /7 (73 3(;0/R;1@3 1% H:(BH 2 :/25/.(3; /.(?? 29 @(/0 5(Q2./ ;7:62 02 (5 ;.742%: 739 ;23/22 02 9(;3(/) 739 5@22/3255 1% 02./ ?7332./ /02

F 1.1/027 97:;0/2./ 1% 7?25 1./0 5I 1% 29@119 (3 /02 (3;=5 1:3/) 739 @(91@ 1% /02 13 739 2Q .734(5 7?(/13 513 1% 7?25 (M/0 7. 1% 02.41.3 02 .1)7 Q(5(/ @0(20 .5 2 73) 9254.(825 (3 /0(5 2//2./ /11> H 742 (3 /02 H.2429(3;7((/:?3

]%/2.@7.95 :>2 1% 1.>

07. 1//2 :;:5/7 7/(97 ?7..(29 7) !5/ !$,$ .292.(4> D((7? :>2 739 7%/2.@7.95 (3;1% D;./2?82.;

R B) 9 0)=,6 Q) ,.6 E% :%& ,.,)(6,-5 6,'':%6,.,5+ -)' *)--,@)9 ,3,6)7:(:,) ,.6,*). F.% :,9* :6)5,->)- .@)-Y:.5 E) 6 !,0)=,6*)--,7 - 6 / /+6 7:(:.:. -, ,-%& !,-,)-9 +- %, 5 !,..,! *=,-(

FF 91 H0:5 .292.(4> %/2.@7.95 :>2 1% 7?8.(9;2

% / 1Q2.3255 /1 /02)1:3;2.'40(9.23 1% 21.;2 /02 0(.9 22 H L*$

RR 75,->)- .:.&, 5 ,

3 21.;2 75/ :>2 1% 13/7;: ;1Q2.31./1 /02 -.(342 1% D7 25 739 /02 :>2 1% 1.> 2 9(29 7) +L.9 !$,*

(407.9 :.9 7%/2.@7.95 /.735 7/29 /1 D1.425/2. H.242H/1./1 /02 -.(342 1% D7 25 739 /02 :>2 1% 1.>

FFF 02 -.(342 1% D7 25 079 /0(5 97) 41?H 2/29 0(5 5(M/223/0)27.

H2.%24/ H.1H.(2/) 1% 2Q2.) /(.(3; 502 57)5 1. 9125 57/(5%(25 2Q2.) 819) 502 0131:.5 @(/0 02. 9(5/(34/(13 51 ?:40 /07/ 827:/) (5 8) 31 ?2735 @73/(3; /1 ?7>2 02. H2.%24/) 7;.2278 2 739 /01:;0 7;2 739 13; .2/(.2?23/ %.1?41:./ ?792 ?2 %22 /(?(9 13 ?) 82(3; 47 29 /1 ?7>2 ?) 7HH27.7342 5113 %1:39 ?)52 % H2.%24/) 7/ 2752X %1./02 >(3;=5 4139254235(13 739 ;119 0:?1:./11>1%%7 7@2 8:/ @07/ 132 ?:5/ 07Q2 %1./ 51 .25H24/78 2 7 407.74/2. 52Q2.2)/.(29 8) 0(5 232?(25 7/ 01?2 75 @2 75 78.179 02 /0.22 H.(3425525 @2.2 7 (3 %.14>5 02 >(3; 739 7 /02 ?23 @2.2 (3 :3(%1.?8 :2 739 ;1 9 02) @7 >29 /0.1:;0 /02 ;.27/ 7H7./?23/5 @0(40 7.2 (3 7 (32 739 7//23/(Q2)B 1852.Q29 2Q2.)/0(3;X /02 H(4/:.25 (3 H7./(4:7. B>2H/ 874> (3 /02 9(R7@(3;R.11?739 /11> /07/ 1HH1./:3(/) 1% 5(//(3; 91@3 @023 -.(34255 1)7 .2/:.329 /1 ?2 739 57(9 /02 I:223 ?(5529 ?2 (3 /02 %.7(3 (??29(7/2) 182)29 /02 5:??135 @(/0 ?) 825/ 7 74.(/) 2. 7G25/) ?2/ ?2 07 % @7) 739 522(3; ?2 075/23 ?) 5/2H5 47 29 1:/ /1 ?2<^ 01:;0 925(.29)1: /1 41?2 9(9 31/ 925(.2)1:/1 .:3 739 %7/(;:2)1:.52 % =

N 02) 7 .2/:.329 /1 /02 ;.27/ 9.7@(3;R.11?@02.2 /02.2 @2.2 13) /@1 7.?29 407(.5 H 7429 (3 /02 ?(99 2 1% /02 .11?%1./02 >(3; 739 I:223 02 >(3; H 7429 /02 :40255 1@7;2.1% -1./ 739 (3 0(5 407(. 739 @7>29 781:/ 79?(.(3; /02 827:/(25 1% /02 H 742 .27>%75/ @75 1%%2.29X 7 H.2H7.29 (3 7 13;;7 2.) /07/ .:35 /02 23;/0 1% /02 ;.27/ 7H7./?23/5 7 5:(/2 1% 2(;0/ .11?5 739 /0.22 4 152/5 02 >(3; 739 7 0(5 .1)7 40(9.23 739 /02 .25/ 1% /02 /.7(3 40152 /1;1 /1 /02 ;7 2.) @02.2 /02 @2 R %:?(5029 /78 25 @2.2 52/X 132 @(/0 /27 41%%22 739 401J 41 7/2 X 731/02. @(/0 /02(. H.1H2. 7441?H73(?23/5 1% 27/78 25 .1 5 47>25 n 4 X 731/02. /78 2 @(/0 %.B:(/5 739 (425 (3 /02 :/?15/ H2M%%24/(13 @0(40 @(/0 7 ?7;(47 /1:40 079 5:4422929 7 41 9 .2H75/ 02 I:223 .2?7(329 (3 /02 9.7@(3;R.11?5/119 7/ /02 874> 1% 02. 407(. @0(40

07HH23(3;' /1' 82' 132' 1%' ?)' =@1.>(3;' ;7Q2' /02' I:223' 73' 1HH1./:3(/)' 1%' 57)(3;' ?73)' % 7//2.(3;' 739' 18 (;(3;' /0(3;5' 02' :40255' 1@7;2.' 1%' -1./739' 8.1:;0/' 02.' ?7G25/)' 7' 9(50' 1%' /27' 13' 7' @7(/2.' @(/0' 8(54:(/5' Q0(40' @75' @07/' 502' 40152' %/2.' 502' 079' 9.73>' 02.' /27' 502' @1:9' 31/' .2/:.3' /02' 4:H' /1' /02' 9:40255' 8:/';1/' :H' 739' @1:9' 473)' (/' (3/1' /02';7 2.)' 02.52 %' 739' @75' ?:40' H 27529' /1' 522' @(/0' @07/' 2 2;7342' 2Q2.)/0(3;' @75' H.2H7.29' 1' 52.Q73/5' 8:/' /0152' 1:/' 1%' (Q2.)' ?792' /02(.' 7HH27.7342' 02';7)' 739' H 27573/' 7HH27.7342' /02)' 7 ' ?792' 739' /02' 57/(5%74/(13' 7 ' 2MH.25529' .2@7.929' /02' 7//23/(13' 739' H1(/23255' 1%' /02' :40255' 1%' -1./739' @01' (5' 32Q2.' 51' 07HH)' 75' @023' 502' ;.7/(%(25' /0152' @01?' 502' 25/22?5' @1./0)' 1%' 02.' 7//23/(13' 739' %7Q1:.5' 02')1:3;' .1)7 5' 522?29' I:(/2' 07HH)' %.1?' /02' 2 925/' /1' /02')1:3;25/' 739' /1' (302.(/' /02' ;.74(1:5' ?7332.5' 1%' /02(.' H7.23/5' ' 47331/' 23/2.' :H13' /02?' H77((4:7.' 799.255' /1' ?2' @0(40' 31/' 13)' 9(9' ?2' 0131:.' 8:/' 501@P29' /02(.' 0:?732' 739' 8232Q1 23/' .25H24/' %1.' 1 9' 7;2

N' 02' >(3;' 925029' ?2' /1' 501@' /02' I:223' 132' 1%' ?)' 811>5' 1%' H 73/5 F' 02' 527/29' 02.52 %R(3' /02' ;7 2.)X' 7' /78 2' 739' 811>' 7(9' 82%1.2' 02.' ' >2H/' ?)' 9(5/7342' /(' 502' 47 29' ?2' /1' 75>' 51?2' I:25/(135' 781:/' /02' ?157(4' H7H2.' @1.>' 739' 75' ' 5/119' 82%1.2' 02.' ?7G25/)' /02' >(3;' 52/' 7' 4070' 820(39' ?2' ' /:.329' @(/0' 51?2' 025(/7/(13' 739' 413%:5(13' 13' .242(Q(3;' 51' ;(B27/' 73' 0131:.' @023' /02' I:223' 57(9<^ .5' 2 73)' 5(/' 91@3X' 5(/' 91@3' (/' (5' 31/' 2Q2.)' 819)' /07/' 075' 7' 407(.' 8.1:;0/' 02.' 8)' 7' >(3;÷ $' ' 182)29' ?13;5/' ?73)' ;.74(1:5' /0(3;5' /02' I:223' 75>29

U' /' /02' 7;2' 1%' 52Q23/)R%1:.' .5' 2 73)' (3Q23/29' 7' 31@' 739' 827:/(%:' ?192' 1%' .2H.2523/(3;' H 73/5' 739' % 1@2.5' /02' 27Q25' 1%' @0(40' 502' 4:/' 1:/' 739' 507H29' %.1?' Q7.(1:5)R41 1:.29' 0(3252' H7H2.' 739' H 7429' 13' 7' 8 74>' 874>;.1:39' 0(5' 7./' 502' H.1524:/29' /1' 02.' 2(;0/)R/0(.9')27.' @023' /02' ;.79:7' %7(:.2' 1%' 02.' 2)2R5(;0/' 41?J H2 29' 02.' /1' 7)' (/' 75(92' 3' /07/' (3/2.Q7' 01@2Q2.' 1%' 255' /073' 3(32')27.5' 502' 079' %(3(5029' 31' %2@2.' /073' 3(32' 0:39.29' 739' 2(;0/)' H 73/5' ' ' HH' 5(Q' 739' MQ Y' 7//74029' /1' 02.' ' ' ' ' ! " ' #' ' ' " ' ' ' $' G13913' !"+*' .5' .73415' 7?(/13' @75' /02' 97:;0/2.' 1%' /02' 13' .5' 7?(/13' .4%23R49' /1' (3' 31/2' F' H7;2' +,L

?2‘ @0)‘ ‘ @75‘ 31/‘ @(/0‘ /02‘9:40255‘ @023‘ 502‘ 47?W‘ %1.‘ ‘ ?(;0/‘ 82‘ 5:.2‘ 502‘ @1: 9‘ 75>‘ %1.‘ ?2‘ ‘ @75‘ % 7//2.29‘ /01:;0‘ ‘ ?2@‘ /1‘ @01?‘ ‘ @75‘ 18 (;29‘ %1.‘^/02‘ 9(5/(34/(13‘ 739‘ 91:8)‘ % 7//2.29‘ 8)‘ ‘ ‘ 74>31@ 29;29‘ (/‘ (3‘ 75‘ %2@‘ @1.95‘ 75‘ H155(8 2‘ 739‘ 57(9‘ ‘ @75‘ H7./(4: 7.)‘ 07HH)‘ 7/‘ /07/‘ /(?2‘ /1‘ H7)‘ ?)‘ 9:/)‘ /1‘ 02.‘ ?7G25/)‘ 75‘ (/‘ ;7Q2‘ ?2‘ 73‘ 1HH1.J /:3(/)‘ 1%‘ 522(3;‘ 51‘ ?73)‘ 1%‘ /02‘ .1)7‘ %7?( )‘ @0(40‘ 7;2‘ 739‘ 1854:.(/)‘ 079‘ 92H.(Q29‘ ?2‘ 1%‘ ^ 0‘↑ 8:/≟57(9‘ 02.‘ ?7G25/)‘ ^)1:‘ 07Q2‘ 31/‘ 5223‘ ‘ ?)‘ 40(9.23‘)2/≟ H13‘ @0(40‘ /02‘ >(3;‘ 47?2‘ :H‘ 739‘ 75>29‘ @07/‘ @2‘ @2.2‘ /7 >(3;‘ 781:/‘ @0(40‘ @75‘ .2H27/29‘ @023‘ /02‘ >(3;‘ .2H (29‘ /1‘ /02‘ I:223‘ <^ 1:‘ ?7)‘ H:/‘ .5‘ 2 73)‘ (3/1‘ /02‘ @7)‘ 1%‘ 91(3;‘ /07/‘ 8)‘ 37?(3;‘ 7‘ 97)‘ %1.‘ 02.‘ /1‘ 9.(3>‘ /27‘ 7/‘ D(3951.‘ 75/ 2≟0‘ F 02‘ .25:/‘ 1%‘ /02‘ >(3;=‘ ;119R37/:.29‘ 0(3/‘ @75‘ 7‘ 41??739‘ %1.‘ /02‘ :40255‘ 1%‘ -1./ 739‘ 739‘ .5‘ 2 73)‘ /1‘ 9.(3>‘ /27‘ 7/‘ /02‘ 475/ 2‘ 13‘ /02‘ %1 1@(3;‘ 2Q23(3;‘ N‘ D 2‘ @23/‘ 7/‘ /02‘ 01:.‘ 7HH1(3/29‘ 52Q23‘ 1=4 14>0‘ @((/25‘ .5 R 2 73)‘ N‘ 739‘ @2.2‘ .242(Q29‘ (3‘ /02‘ 1@2.‘ H.(Q7/2‘ 7H7./?23/‘ 7/‘ /02‘ 475/ 2‘ X @23/‘ /0.1:;0‘ 7‘ 7.;2‘ .11?‘ @(/0‘ ;.27/‘ 87)‘ @(391@5‘ @02.2‘ @2.2‘ 7 ‘ /02‘ H.(3425525‘ 739‘)1:3;25/‘ H.(3425‘ @(/0‘ /02(.‘ 7//23973/‘ 79(25‘ 739‘ ;23/ 2?23‘ D 2‘ H75529‘ 13‘ /1‘ /02‘ 829407?82.‘ @02.2‘ /02‘ I:223‘ 5/119‘ (3‘ /02‘ ?(99 2‘ 1%‘ /02‘ .11?‘ @(/0‘ 79)‘ D 2)?1:/0‘ 739‘ 79)‘ 07. 1//2‘ (340‘ 02‘ >(3;‘ 739‘ /02‘ 2 925/‘ H.(3425‘ 079‘ @7 >29‘ 1:/‘ D 023‘ /02‘ I:223‘ /11>‘ 02.‘ 527/‘ 739‘ /02‘ 79(25‘ /020≟ H 7425‘ 502‘ 1.92.29‘ 7‘ 407(.‘ /1‘ 82‘ 52/‘ %1.‘ ?2‘ 1HH15(/2‘ /1‘ @02.2‘ 502‘ 57/‘ 739‘ 75>29‘ ?2‘ (%‘ ‘ %2 /‘ 73)‘ @(39‘ %.1?‘ /02‘ 911.‘ 1.‘ @(391@‘ /‘ @75‘ (39229‘ 7‘ 5:/.)‘ 97)

N‘ /‘ 2(;0/‘ /02‘ >(3;‘ 47?2‘ (3/1‘ /02‘ .11?‘ @(/0‘ 51‘ ?:40‘ 4022.%:3255‘ 739‘ ;119‘ 0:?1:.‘ /07/‘ (/‘ (5‘ (?H155(8 2‘ /1‘ %22‘ 73)‘ H7(3%:‘ .25/.(4/(13‘ %‘ /‘ @75‘ /02‘ 01:.‘ 1%‘ /02‘ >(3;‘ 739

F 2//2.5‘ %.1?‘ .5‘ 2 73)‘ /1‘ .5‘ .73425‘ 7?(/13‘ HH‘ +<"‘ 22‘ 7 51‘ 79)‘ 731Q2.=5‘ & 5 ,‘ ‘)‘ ‘< # 9 ,‘ Q1‘ ((‘ HH‘ L$*<‘ +a9‘ + #

]‘ 3‘ 731/02.‘ 2//2.‘ .5‘ 2 73)‘ ?23/(135‘ /02‘ (3;‘ 41?(3;‘ (3/1‘ /02‘ .11?‘ @(/0‘<‘ # & 5 ,‘ 4‘) ‘ Q1‘ ((‘ H‘ L$"‘ V ‘+) #

I:223 739 2 2Q23 1% / (2 -.(3425 739 -.(3425525 @7 >(3; 13 /02 /2..742 02) 7H1 1;(629 %1.; 1(3; 8:/ 57(9 /02 4.1@9 2MH24/29 /02?X 8:/ /02) 2%/ 79) D2)?1:/0 739 /02 (501H 1% (40%(2 9 /1 23/2./7(3 :5 (3 /02(. 7852342 D2 57/ (3 /02 87)R Q(391@ @2 H 27529 @(/0 1:. 41?H73(135 739 /02 8.((73/ 501@ 13 /02 /2..742 13 @0(40 @2 11>29X /02 8739 1%?:5(4 H 7)(3; 7 /02 /(?2 :392. /02 R@(391@ KD(23 /02) .2/:.329 @2 @2.2 5M(??1329 (3/1 /02 32M/ .11?/1 /27 739 /02 .1)7 5 82;73 7 87 739 973429 /@1 41:3/.)R973425 /1 /02 ?:5(4 1% .2340 01.35 87551135 739 07:/81)5 @0(40 @2.2 /02 57?2 /07/ H 7)29 13 /02= /2..742 02 >(3; 47?2 :H /1 /02 -.(342 1% D7 25 739 57(9 02 @75 5:.2 @023 02 4135(92.29 01@ ;.27/ 73 2%%1./ (/ ?:5/ 82 /1 H 7) /07/ >(39 1%?:5(4 51 13; 7 /(?2 /1;2/02. /07/ 02 @1:9 31/ 413/(3:2 /02(. 9734(3; /02.2 8:/ /07/ /02 I:223 739 /02 .25/ 1% /02 41?H73) @2.2 ;1(3; /1 /02 _A:223=5 1:52 739 /02) 501:9 .232@ %02(. 9734(3; /02.2 739 07Q2 H.1H2. ?:5(4

N 473 57) 31 ?1.2 47331/ 9254.(82 /02 ;7) /02 H1(5029 7HH27.7342 1% /02 A:223=5 1:52 %%:R3(5029 @(/0 3;(50 ?73:%74/:.2 02 -.(342 1% D7 25 973425 7 ?(3:2/ 82//2. /073 73) 132 07Q2 5223 %1. ?73))27.5 R :/ @07/ @1:9 H 2752)1: ?1.2 41:9 91 (/ G:5/(42 (5 /02 ;119 52352 739 23;7;(3; 799(R255 1% 132 739 7 0 F 73))27.5 7%/2.@7.95 /0(5 2//2. 75 @2 75 731/02. %.1?@0(40 @2 ?7) H.2523/) 07Q2 /1 I:1/2 @2.2 23/ 8) /02 7?(/13 %7?( ) /1 /02 7/2 . .1>2./1 82 501@3 /1 /02 -.(342 1% D7 25 /023 -.(342 2;23/ 02 -.(342 755:.29 . .1>2./07/ N /02) @2.2 744:.7/2)/(B:2 0 KK % /02 H2.5135 @01 7//23929 13 21.;2 /02 0(.9 @023 02 Q(5(/29 :5/.192 (3 /02 7:/:?3 1% !$$" 31/ /02 275/ 9(5/(3;:(5029 < P31. /02 275/ 82 1Q29 8) /02 (3; < P@75 (407.9 :.9 (501H 1% (40%(2 9 739 1Q23/.) /02 2?(R

F 2//2.5 %.1?.5 2 73) /1 .5 .73425 7?(/13 HH " <!* 22 7 51 % 5 P ;) < # 9 , Q1 ((HH L$V L$$]D7 H1 2=5 2//2.5 Q1 (((H SS$ X 31/2 8) .1>2.

+," ? ' ' ' ' Y

323/' 5401 7.' 4.(/(4' H12/' 739' 9(Q(32' .' (:=9' 079' 8223' .7(529' /1' /02' 522' 1%' (40%(2 9' (3' /02')27.' !$$S' 739' 13' /02' V/0' 1%' :32' !$$#' @75' ;762//29' 75' H.242H/1.' /1' /02' -.(342' 1%' D7 25' 739' /02' :>2' 1%' 1.>' N' 02' (501H' 1%' (40J %(2 9 0' @.(/25' /02' (3;' /1' 1.9' 1./0' 13' /02' +"/0' 1%' 7)' N' 075' @(/0' ;(B27/' ?1925/)' 739' H.1H.(2/)' 7;(B229' /1' 82' -.2J 42H/1. 0' F

02' .' .31 9' @01' (5' ?23/(1329' (3' /02' 32M/' 2//2.' %(B1?' /02' (3;' @75' /02' 2Q2.239' D((7?' .31 9' ' 7' H2.J 513' 1%' ;(B27/' 27.3(3;' 739' H.1?(52' @01' 079' .2423/)' 8223' 7HH1(3/29' 5:8RH.242H/1.' /1' /02')1:3;' H.(3425' 02' (3;' @01' 23/2./7(329' /02' 5(342.25/' 7%%24/(13' 739' 25/22?' %1.' 0(?' 079' 5:852I:23/)' /02' 57/(5%74/(13' 1%' H.2523/(3;' 0(?' @(/0' 7' 7313.)' 1%' D(3951.' 739' /02' .40927413.)' 1%' (40%(2 9

' 8 ' ' R ' 6 ' '0) ' ' ,#

N' < + ' = "' & P ' ...

N')' 1.9'

K' '47331/'.2%.7(3'%.1?'2M2.4(5(3;'/02';.27/25/'41?%1./'/02' 0:?73' ?(39'(5'47H78 2' 1%'/02'41?? :3(47/(3;'H 275:.2'/1'/0152'(/' 25/22?5' .' .31 9' 075' ;7(329'/02' ;.27/25/' 7HH 7:52' %.1?'/02' 2M42 2342' 1%' 0(5'52.?13'02' 075'G:5/' 92 (Q2.29'@0(40' 41: 9' 07Q2' 8223' 2I:7 29' 8)' 31/0(3;' 8:/' /02' 924234)' 739' ?1925/)' 1%' 0(5' 92H1./?23/' 39229'/0(5'78 2'75'@2 '75'Q7 :78 2'?73'9125'/02' ;.27/25/'G:5/(42'/1'/02' H.1H.(2/)' 1%')1:.' 401(42' 739' 501@5' /07/')1:.' 9(542.3?23/' (3/1' /02' 407.74/2.5' 1%' ?23' (5' 75' 4135H(4:1:5' 75')1:.'1/02.';.27/' 739' 7?(78 2B' I:7 (/(25

' & ' ' # =

N' 1'/02' (501H' 1%' (40%(2 9' 739' 1Q23/() 0

.' .31 9' %2 ' 7' Q(4/(?' /1' /11' 4 152' 73' 7HH (47/(13' /1' 5/:9)' 739' 9(29' (35732'(3' !"*+' .1?' /02' %1 1@(3;' 2MJ /.74/' 1%' 7' 2//2.' 799.25529' 8)' /02' (3;' /1' (501H' :.9' 97/29' D(3951.' +L.9' :)' !$"+' (/' @1:9' 7HH27.' /07/' /0(5

F' 1.9' .1:;07?=5' /7/25?23' 1%'/02' (?2'1%' 21.;2'L'Q1'('H',#'X' 9'!"V"' /' 23/2)=5' 0(542 73)'Q1'M(/Q('H'L+,

7?(78 2 H2.513 079 13 7 H.2Q(1:5 14475(13 8223 7‰ (4/29 @(/0 782..7/(13 1% ?(39 @0(40 /02 (3; 739 A:223 @(/0 7 4135(92.7/2 92 (474) @0(40 .2% 24/5 ;.27/ 0131:. :H13 /02? 079 .2 (;(1:5)>2H/ 7 524.2/ N 31@ 41?2 /1 7 H7./ 1/)1:. 2//2. 0 @.(/25 /02 (3; /07/ ;7Q2 ?2 ?:40 41342.3X 8:/ 501: 9 7/ /02 57?2 /(?2 07Q2%2 / 0:./ (%)1: 079 31/ (3J %1.?29 ?2 1% %27./02 .2 7H52 1% H11. . .31 9 (5 4139:4/ 9:.(3; /02 /(?2 02 7//23929)1: 522?29 75%7Q1:.J 78 2 75 73) 1% :5 41: 9 925(.2 01H2 02 @(5113 82 .2(35/7/29X 739 /.:5/)1:@(31/ 27Q2 ?2 (3 5:5H2352 :H13 7 5:8G24/ /07/ ;.27/) (3/2.25/5 ?2 %1. 07Q2 2Q2. /01:;0/ 0(? 31/ 13) (3;23(1:5 8:/ H2.%24/) :H.(;0/ 739 75 5:40 07Q2 7 Q2.) 5(342.2 .2;7.9 %1. 0(? M42H/ /02 A:223 31 132 02.2 075 /02 5?7 25/ 5:5H(4(13 1% 0(5 07Q(3; 7 %.250 7//74> @0(40 (5 73 7//23/(13 7? 42./7(3 02 2Q2.) @7) 9252.Q25 0 :.(3; /02 75/ 9(5/.255(3; (3255 1% /0(5 2M42 23/ H2.513 02 (5 57(9 /1 07Q2 .242(Q29 ;.27/ 7//23/(13 %.1?0(5 1Q2.2(;3 F

3 !$"! (3 41352I:2342 1% /02 /.735 7/(13 1% . .1@3R 1@ 1./0 %.1? /02 8(501H.(4 1% D1.425/2./1 /07/ 1% D(3R P 025/2. /02 (3; 079 /02 57/(5%74/(13 1% H.2%2..(3; (501H :.9 /1 /02 %1.?2.522 02 (3; 7 51 7HH1(3/29 0(?0(5 2.> 1% /02 152/

R 8 6 0) ,#

< + " < ,'v !$"!

N) ;119 1.9 =

N 07Q2 /0(5(35/73/.242(Q29 /02 7441:3/ 1% /02 927/0 1%?) Q2.)@1./0) 739 ?:40 25/22?29 %.(239 /02 (501H 1% D(34025/2. % 1 7 027./ (>2)1:.5 (/ (5 275) /1 41342(Q2 /07/ /02 32@5 41:9 31/ .2740 ?2 @(/01:/ 47:5(3;51?2 2?1/(13 / (1:;0 .27513 413J Q(3425 ?2 /07/ %1. 0(?(/ (5 7 ?15/ @2 41?2 2Q23/ /02.2%1.2

F N 21.;2 L 8(5 1:./ 739 7?() 0 Q1 (' H SS+ # . .31 9 @01 @75 7 %2 1@ 1% / 103=5 1 2;2 7?8.(9;2 @75 /02 513 1% /02 2Q2.239 (407.9 .31 9 %2 1@ 1% ?73:2 1 2;2 7?8.(9;2 739 24/1. 1% 0:.475/13 (3 2(425J /2.50(.2 /02 7//2. 73 7:/01. 1% 51?2 27.3(3;/01:;0 1% (// 2 31/2 3 7421:3/ 1% /02 %7/02. @(82 %1:39 (3 !) . &) 6 ", HH +,V 739 #L,] . 103 01?75 9(29 7) ! !$"!

L**

152 31 /(?2 (3 74I:7(3/(3;)1:/07/ 47331/ /0(3>1%73) H2.513 51 H.1H2./1 5:44229 0(?75 2.>1%?) 152/75)1?52 %X 739P (39229 /.:5/ /07/ 73) 1HH1./:3(/) /07/ 8.(3;5)1:327.2./1?) H2.513 47331/ 82 :3H 275(3;/1)1: 2)(3;13 /0(5 07Q2 74I:7(3/29 /02 1.9 07?82.7(3/1 31/(%) /0(5 7HH1(3/?23/ /1)1:8:/ /01:;0/73) ?7.>1%?) .2;7.9@1: 9B825/ 82 413Q2)29 8) ?)52 % /.:5/ /02.2%1.2/07/ /0(5 2//2./@(A .2740)1:82%1.2 73) (3/(?7/(13 %.1?0(? 07Q2 7 51 9(.24/29 1.9 1./0 /1 74I:7(3/)1:/07/ H.1H152 /1/.735 7/2)1:/1 /02 22 1% D1.J 425/2. D(/0 7 /02 H7./(7 (/) 37/:.7/1/02 41:3/) 1% /7%%1.9 501:9 01H2)1:@ 7 1@ 7./28:.)/1 82 7 82//2.5:??2. .25(92342 /073 44 2507 739 % 7//2./?)52 %/07/ 02.27%/2./)1: @(31/ 18G24/ /1 7 5(/:7/(13 /07/ ?7) 31/ .2I:(.2 R51 13;7 G1:.32) 2Q2.))27./ 75 2(/02./ 1% /0152 H 7425 2 (2Q2 ?2 7/ 7 /(?25

N) ;119 1.9)1:./Q2.) 5(342.2 %.(239

1 < o L ,S

N 1/02 1.9 (501H 1% (40%(2 9 739 1Q23/.) O

% / (2 (3;=5 ;232.7 7?(78((/) 739 :37%%24/29 92H1./J ?23/ /02 %1 1@(3;% :./02./2M/.74/5 %.1?/02 41..25H1392342 1% /02 Q232.78 2 .5 2 73) 413/(3:2 /1 7%%1.9 :5 Q2.) H 275(3;2Q(92342 <

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M/.74/Y

1 $ & DTWJ 4##% !$$,

N 5:??135 47?2 %.1?D(3951./1 /02 :40255 1@7;2./1% -1./739/1 41?2/07/ 2Q23(3; /02+,/0 :/(?1Y /1 /02 A:223=5 19;2 739 /1 8.(3; .5 2 73) @(/0 02. = 02 5:??135 @75 182)29 /1 7 ?(3:/2 D 2 @2.2 /02.2 7/ 52Q23 1=4 14> 3%1./:37/2) @023 @2 5/1HH29 7/ /02 19;2 (/ .7(329 Q(1 23/) 739 02./ .742<P?:%%29 :H @(/0 02./.(H 2 9.7H2.) < @75 13 5/2HH(3;(3/1 /02 911./7>23 8) /02 0739 8) 0(5 7G25/) 82%1.2 502 41: 9 507>2 1%% 02./ Q) 4 @01 7(9 0(5 41?? 7395 13 /02 (501H 1% (40%(2 9 /1 /7>2 47.2 1% ?2 0:5 0131:.78) 4139:4/29 @2 @2.2 29 (3/1 /02 9.7@(3;R.11?/1 /02 A:223 02

23/2)=5 (542 73 B Q1 MMQ(H LL*

[

79(25 @(/0 02. @2.2 79) 1 92?255 79) D2)?1:/0F 79) 07.1//2 (340 79) 15/13 79) 1:../1@3 5:..1(?929 @(/0 02. .1)7 1%%5H.(3; 1 /2)1: 7 /02 H7./(4: 7.5 1% /02(. ;.74(1:5 ?7332.5 739 /02 7;.2270 23255 1% /02 2Q23(3; 739 /02 92 (;0/%: 739 :341??13 54232 1% .1)7 91?25/(4 %2 (4(/) < 1% /02 5@22/ ?:5(4 739 1% ?)? < P@1: 9 82 .7/02. /11 ?:40 %1. 7 2//2. 739 ?:5/ 82 H15/H1329 %1. 7 @(3/2. /7 2 (3 /7?25=5 - 742 @02.2 01H2 %1. /02 07HH(3255 1% 522(3; ?) 927. %1.9 %.(2395 ?:40 739 1%/23 0 %

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M/.74/5 Y

= > " (D) # !$$,

N 3 ?) 75/ 2//2. /1)1:. 927. ?7?7 82;73 73 7441H3/ 1% /02 0131:.5 .242(Q29 7/ /02 A:223=5 19;2 D(3951.R 13 D2932597) /02 +,/0 1% 2H/2?82. -.(34255 1)7 =5 8(./097) 0:/ 91 31/.2?2?82.@02.2 2%/ 1%% 739 7?7%.7(9 ?7) .2H27/ @07/ 07Q2 7.279) @.(//23 8:/ /07/ ?:5/ /7>2 (/5 407342

N 02 A:223 @75 9.2552 9(3 73 2?8.1(92.29 :/25/.(3; -.(34255 1)7 (3 922H 1.73;2 1. 547. 2/ 41: 9 31/ 8) 4739 2R (;0/ 9(5J /(3;:(50 @0(40 -.(34255 :;:5/7 (3 H(3> -.(34255 (6782/0 (3 8:2 0252 @2.2 7 (3 .1825 @(/01:/ 7H.135 -.(34255 7.) (7 ?15/ 5@22/ 40(9 @75 (3 402..)R41 1?.29 /788) @(/0 5(Q2. 279(3;R5/.(3;5 02 (5 781:/ %1:.)27.5 1 9 02 41: 9 31/ .2?2?82. ?) 37?2 8:/ ?7>(3; ?2 7 Q2.) 1@ 4:./5) 502 57(9 < 1@ 91)1:. 91 :40255 1% -1./ 739=5 %.(239 c 39 01@ 9125)1:. (// 2 3(242 91c @(50)1: 079 8.1:;0/ 02. 02 (3;47..(29 781:/ (3 0(5 7.?5 8) /:.35 -.(34255 1H0(7 e 739 /02F 75/ -.(342 4/7Q(:5 \ 51 47 29 82(3; /02 2(;0/0 513 32Q2. 57@ ?1.2 1Q2) 40(9.23 31. 7 ?1.2 H 275(3;5(;0/ /073 /02 (3;=5 %1393255 %1. /02?739 /02 A:223=5 1. /02) 522?/1 07Q2 8:/ 132 ?(39 739 /07/ (5 /1 ?7>2 2Q2.)/0(3; 275) 739 07HH) 781:/ /02? 02 (3; 8.1:;0/ (3 0(5 7.?5 /02 (// 2 -.(342

F 79) 1 94GR3255 739 79) D2)?1:/0 @2.2 52Q2.7) 79(25 1% /02 29407?82. /1 A:223 07.1//2

U/ (%2 739 1..25H1392342 1% .5 2 73) 8) 79) 731Q2. Q1 ((HH S$* < ! +39 52.(25

/ %/2.@7.95 :40255 1% 1:425/2. 81?H.(+V !$$#

e 1.7 1Q2?82. LP !$$$ 1.3 28.:7.) +L !$$,

L*+ ' -' ' '

4/7Q(:5 /1 ? 2 @01 02 9 1 :/ 0(5 0739/1 H 7)@(/0 ? 2 @0(40 13 ?)/7>(3;/02 (82./)/1>(55 0(5 7G25/)?792 0(?>(55 ?) 4021 . D 2 079 7 407.?(3;41342./ 1% Q147 739 (35/3(?23/7 ? :5(4X 0:/ 31 79(25 2M42H/ /0152 07Q2 37?29 47?2 (3/1 /02 524139 9.7@(3;R.11? 31. 73)1% /02 ;23/2?23B 02)5/7(9 (3 /02 41342./R.11? 02 (3; 739 /02 .25/1% /02 .1)7 %7?()47?2 874>@7.95 739 %1.@7(R95 739 47331/ /2)1:01@ ;.74(1:5 /02)7 @2.2 Ü 02)/7>29 /1 ?2 7 ;.27/927 8)/:.35 D023 73)%7Q1:.(/2 513;@75 5:3; /02 A:223 7//23929 8)02. 79(25 @23/ 739 5/119 7/ /02 911. 1% /02 41342./R.11? 739 7 407(. @75 1.92.29 /1 82 H 7429 7/ /02 911. %1. /02 :40255 1% -1./739 @023 -.(342 .325/F<781:/ 3(32)27.5 19<47..(29 7 407(. 51 7.;2 02 41: 907.9 (%/ (/ 739 H 7429 (/8)/02 :40255 %1. ?2 /1 5(/ 8)02. D 2 5/7(9 /(H75/ 2 2Q23X 47?2 01?2 8)7 407.?(3;B ?113X 9(9 31/ 5:H /(H75/ /@2 Q2 31. (7829 /(/@1 0 %

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K s : 50B194Z , 242?82. !$"!

N 3 :2597)?1.3(3; 7 I :7./2. 82%1.2 /23 /02 :40255 1% -1./739 5/2H/ (3/1 02. 407(52 739 079 /02 0131:. 1% 7//239J (3; 02. D 2 @23/ /1 7.(=7/=5 s 2.7.9=5Z .155 781:/ /02 ?(99 2 1% /02 41??13 8)/02 7HH1(3/?23/ 739 41??739 1% /02 (3; @01 47?2 781:/ 7 I :7./2. 1% 73 01:. 7%/2. @(/0 /02 -.(342 1% D 7 25 739 7 7.;2 .2/(3:2 (5 7G25/)47?2 :H (??29(7/2)/1 /02 :40255 1% -1./739=5 47..(7;2X ?15/ ;(R74(1:5 739 92J (;0/29 /1 522 /02 :40255 1:/ 51 27.) 02 A:223 @75 /02.2 @(/0 /02 /@1 2 92. H.(3425525 739 79) 1:./1@3 (3 7 H15/R 41740 739 %1:. 02 (3; 47?2 @(/0 7 ?2557;2 %.1?/02 A:223 /1 /02 :40255 1% -1./739 /1 57) 02. 7G25/)@1: 9 522 02. 57%2 874>/1 : 5/.192 739 8.27>%75/ @(/0 02. .742 02 :0XH 1% F :?82. 739 @75 /02.2 739 7 ;.27/?73) 47..(7;25 739 ?73) 1% 1?74I:7(3/7342X 7?13;5/ /02?79) 7.) 1.825 739 02. %7?()02 /11>/0.R(2 .11?5 7/ /02 : 33 739 8.27>%75/29 /0(./) H21H 2 02 (3;0(?52 % 1.92.29 /02 5H1/ @02.2 /02 :40255 1% -1./739=5 407(52 501: 9 5/739 /1 522 /02 5/7;/:.329

F %/2.@7.95 :>2 1% :?82. 739 739 (3;1% 731Q2.
] (%2 739 13R25H1392342 1% .5 2 73) 8) 79) 731Q2. Q1 ((HH S$+<S
+39 2.(25
7.)97:;0/2.739 4102(.1% (407.9 -1@)5 5I 1% (3/2507?7 : %%1>
739 @(%2 1% 7?25 24139 7. 1% 1:./1@3 02 9(29 (3 !"!*
23.) .292.(4> /02 (3;=5 8.1/02.

1:/' f' @75' 8.1:; (f' (3' 7' 47(Bf' /1' / (7/RH 742' 8)' /02' (3;=5' 41?J ?739' 02' 5/7;' @75' 52f' 7f' (82./)' 739' /02' H11.' /.2?8(3;B 4.27/(32' 81:3929' 1Q2.' /02' H 7(3' (3' 01H25' 1% 2547H(3;' %.1?' 0(5R H:.5:2.5X 8:f' /02' 91;5' 739' /02' 0:3/2.5' @2.2' 5113' 7%/2.' 0(?' 739' 7 ' 1:f' 1%5(;0/ 0' F' P

@1' 97)5' 7%/2.@7.95' / (2' :40255' 739' .5' 2 73)' H7(9' 7' Q(5(f' /1' /02(.' ?7G25/(25' 7f' D(3951.' N' 02' ((G;' 739' A:223' 739' /02' -.(3425525O@.(/25' (B5' 2 73)' N.242(Q29' :5' (3' /02' 9(=7@(3;R.11?' /1' @0(40' @2' @23f' /0.1:;0'/02' 41342./R' .11?' -.(34255R 7.)' /11>' ?2' 8)' /02' 2%f' 0739X -.(34255' 1H0(7' 739' /02' 5@22f' (// 2' -.?42' 4/7Q(:5' /11>' ?2' 8)' /02' .(;0/' 739' 29' ?2' 7%/2.' /02' :40255' 1%' -1((739' (3/1' /02' 9(=7@(3;R(=11?' 02' (3;' 319929' 739' 5?(29' :H13' ?)' (// 2' 4139:4/1.5' 739' 8(9' /02?' 279' ?2' /1' /02' A:223' @01' 5/119' (3' /02' ?(99 2' 1%' /02' .11?' D023' @2' @2.2' 7 ' 527/29' <%1.' /02' A:223' (5' 51' ;(R74(1:5' 502' @(' 7 @7)5' ?7>2' ?2' 5(f' 91@3</02' :40255' 1%' -1./ 739' 57f' 32Mf' /1' /02' A:223' 739' ' 32Mf' /1' -.(34255' 1)7 ' 3' /02' 1/02.' 5(92' 1%' ?2' @75' 7' 407(.' 739' 0(5' 7G25/)' 9(9' ?2' /02' 0131:.' /1' 5(f' 8)' ?2' 2' @23f' 874>@7.95' 739' %1.@7.95' 82/@223' /07f' 739' /02' ?:5(4R.11?' 2' @75' 51' ;(R74(1:5' 75' /1' 07Q2' 7' ;119' 927' 1%' 413Q2.57/(13' @(/0' ?2' H7./(4: 7.)' 781:f' 7392=5' ?:5(4X' 739' 1.92.29' /0152' H(2425' /1' 82' H 7)29' @0(40' 02' %1:39' ' ;7Q2' 7' H.2%2.2342' /1' 3' /02' 41:.52' 1%' /02' 2Q23(3;' /02' A:223' 4073;29' H 7425' @(/0' -.?4255' 1)7 ' 57)(3;' ?15f' ;.74(1:5)B' 502' ?:5f' 07Q2' 7' (// 2' 413Q2.57/(13' @(/0' .5' 2 73)' @0(40' 75/29' 781:f' 07 % 73' 01:.' 02' /023' ;1f' :H' (f' 82(3;' 07 % 73' 01:.' 7%/2.' /23' 739' 57(9' 502' @75' 7%.7(9' 502' 501:9' >22Hf' /%(2' :40255' 1%' -1./ 739' /11' 7/2' 02.2' @75' 31819)' 8:f' /02(.' 7//23973/5' 739' 1.9' 739' 79)' 1:./1@3' 1/0(3;' 41:9' 82' ?1.2' 275)' 739' 7;.2278 2 0' K 3' /02' @(3/2.' 1% !$"*R!' /02' (3;' @75' 92H.(Q29' 1%' /02

F' 2//2.5'%.1?' .5' 2 73)' /1' .5' .73425' 7?(/13' HH' !"' +*<+!
/' y#:' HHd' ++<+S' 02' 413/23/5' 1%' /0(5' 547.42' 739' (3/2.25/(3;' (// 2' Q1:?2' 7.2' 13)' (3BH7./' H.(3/29' (3' 79)' 731Q2.=5' (%2' 739' 1..25H139234Z' 1%' .5' 2 73)

514(2/) ' 1%' /@1' 1%K (5 5135 X /02 : 42 1% 1.>' 07Q(3;' H.1R B422929' /1' - . : 55(7 ' %1.' /02 H: .H152 1% 82(3;' 29 : 47/29 %1.' /02 ?((/7.)' H.1%255(13 ' 739 - .(342 D((7?' 23.) ' 7%/2.@7.95 (3; ' D((7?' /0W 1q.=0 ' 07Q(3;' ;132 /1' 527 75 7 (950(HR 3773 1%'/02 N - .(342 21.;2 0 02 (3;=5 %7.2@2 ' H7./(3;' @(/0 /02 :>2 1% 1.>< 7/ /0(5 H2.(19 /02 ?15/ 82 1Q29 8)' 0(?' 1% 7 R 0(5 40(9.23 < 31/ 13)' 8.1:;0/ /27.5 (3/1' 0(5 2)25 ' 8 : / B9 : .(3;' /02 13;' 7852342B1% /07/ %7Q1 : .(/2 513 G%.1? 3; 739 ' r ?2.2 .24 : . .2342 /1' 0(5 37?2 522?5 /1' 07Q2 5235(8)' 7%%24/29 0(5 H7./(7 ' %7/02. ' 3 132 14475(13 ' 7 79)' 07HH23(3;' /1' 5 : .H.(52 P(?' @(/0 7 /27.' %7 (3;' 91@3 0(5 4022> ' /02 (3;' ?792 31' 524.2/ 1% /02 51 : .42 1% 0(5 @27>J 3255 ' N ' @75 23/.27/(3;' 19 0 02 57(9 ' N /1' H.1/24/ 739 8 255 ?)' 927.' 81)5 0 (

3 /02 +*/0 1% : ; : 5/ ' !$"+ ' 927/0 %1.' /02 %(.5/ /(?2 92H.(Q29 21.;2 /02 0(.9 1% 132 1% 0(5 82 1Q29 40(9.23 ' 3 /07/ 97)' 9(29 0(5)1 : 3;25/ 513 ' - .(342 %.29 ' 7 %2@ 01 : .5 82%1.2 @0152 9(551 : /(13 /02 (3;' 799(R25529 /02 %1 1@(3;' (3/2.25/(3;' 2//2.' /1' 0(5 5H(./ : 7 ' 79Q(52.' <

^ ' 8 ' ' ' 6 ' ' -) #

1 & # +*(y(' !$"+

N')' ;119' 1.9 '

N' 02.2 (5' 31' H.1878((/) ' 739 ' (39229 ' 547.42 7 H155(J 8((/) ' /07/ ?)')1 : 3;25/ 40(9 473 5 : .Q(Q2 /0(5 97) ' 02 >31@(3;')1 :' 7.2 74 I : 7(3/29 @(/0 /02 /2392.' %22 (3;5 1% /02 A : 223=5 027./ ' 413Q(3425 ? 2)1 :' @(' 82 : 3275)' /(' 7HH.(629 /07/ 502 (5 47 (3;' /02 13)' 51 (9 755(5/73/ : 392.' 7G%% (4/(13 ' .2 (;(13 ' /1' 02.' 755(5/7342 ' 02 %22 5 /02 H24 : (7.' ;1193255 1% (Q(32 - .1Q(92342 ' (3 32Q2.' 07Q(3;' 82%1.2 H : / 02.' /1' 51 52Q2.2 7 /.(7 ' /01 : ;0 502 075 51 3 : ?2.1 : 5 7 %7?( ) ' ' 91 31/ 923)' s/07/ ' 7 51 Q%.(/2 /1')1 : ' ?)' ;119 1.9 ' 75 7 87 ?' /1' ?)' ?(39 ' 5 ' 07Q2 31/)1 :' H.2523/ /1' 413Q2.52 @(/0 ' ' /0(3>' (/' /02 ? 15/ H 275(3;' 144 : H7/(13 ' 8)' /0(5 ?2735 ' /1' 413Q2)' /1')1 :' /07/ ' H 742 ?)' 413%(92342 /07/ /02 ?(;0/)' @(' 32Q2.' %(' ?)' 4 : H 1%' 51..1@' %: 2.' /073 ' 473 827. ' 39 ' @023 ' .2% 24/ 13 /02 927.' 47 : 52 1% 1 : .' /.(8 : 7/(13 ' 413J 5(92.' 0(5 4073;2 /1' 82 51 ;.27/)' %1.' 0(5 79Q73/7;2 ' /07/

F N 21.;2 L' 0(5 1:./ 7(:' 7?( ) 0 Q1 '((' HH' <"

L <=' ' < 2 < 7 ' -> ?7 L*V

51?2/(?25' / ((H 4'(/' :3>(39' /1'@(5>'0(5' .241Q2.)'079'>223'2%%24/29' 39'@023' '/7>2' /0(5'2Q23/'(3'731/02.'H1(3/'1%'Q(2@'739'.2%24/B 01@'?:40' 71.2'?(52.78 2'(/'@1: 9R07Q2'8223'/1'07Q2'5223'0(?' 279'7' (%2'1%'H7(3'739'H2.07H5R239'/0:5'7/'7'(31.2'?7/:.2'7;2' '7 51'413%255'/07/'/02';1193255'1%'/02' ?(;0/)'7HH27 B5'5/.13;)' (3'@07/'42./7(3)';(Q25'?2';.27/'41342.3 8:/'?(;0/'07Q2'B8223' 5/('?1.2'52Q2.2

NR 1'/02' 1.9' (501H'1%'D1.425/2.0

N' @75'7/'D(3951.' 75/2 0'@.(/25= 1.9' :/2=P 7441?R' H(5029' 97:;0/2.R(3R 7@' .5' /:7./' N'7/'/02'/(?2'1%'/02' 927/0'1%' -.(342' %.29'7'40(9'1%'/@1')27.5'1 9'739'@01' 079'5:%%2.29';(R27/'7;13(25' D023'02'079'8241?2'/.73I:(' 501./)'82%1.2'2MH(.(3;'/02' (3;'/11>'/02'A:223'1:/'1%'/02' .11?'739'2MH.25529'7'@(50'/1'.279'7'52.?13'75':5:7'(/' 82(3;' :397)'2Q23(3;' 2'52 24/29'/07/'1%' 7(.'13' 27/0' @0(40'4 1525'@(/0'/02'827:/(%:'9254.(H/(13'%(B1?'/02' 2Q2J 7/(135'1%'/02' 0:.40'/.(:?H073/' D0(2'.279(3;'(/'7'5(;0/' >314>'@75'027.9'7/'/02'911.' 02' (3;'522?29'/1'50:992.' 8:/'@23/'13'.279(3;' D023'/02'9254.(H/(13'@75'23929' 02'@23/':H'/1'/02'A:223'739'/7>(3;'02.'0739'?15/'7%%24J /(137/2)'57(9<^:40'?)'927.25/' '0:?8)'/.:5/'1:.' (//2' %.29'31@'(5' 07/'>314>'(3%1.?29'?2'02'(5'H7552 9' %.1?'927/0':3/1'(%2 ± 2'/023'@2H/'/2392.)0%

2/'/2392.)'75'/02' (3;'1Q29'/0(5'40(9'/02.2'@75' 731/02.'1%'0(5')1:3;2.'40(9.23'@01?' (2'522?5'/1'07Q2' 1Q29'2Q23'82//2.' N' '7?'Q2.)'51..)%1.' %.B29 0'57(9'/02' (3;' 8:/'079'(/'8223' 4/7Q(:5' '501:9'07Q2'9(29'/11 0 X (//2'9(9'02'73/(4(H7/2'H2.07H5' @023'02':/2.29'/0252' @1.95'/07/'(3' 255R'/073'3(32'?13/05'/07/'402.(5029'40(9' Q1:9'%1 1@'0(5'(3%73/'8.1/02.'/1'/02'/1?8' -.(342' 4/7Q(:5'9(29'13'/02'+39'1%' 7)'!$"L'7/'/01'7;2'1%'%1:.')27.5'739'7'%2@'@22>5' 02'%1 1@(3;R'/1:40(3;' 2//2.

F' 7.' /7301H2=5' (5/1.)'1%' 3;739'Q1'Q((' H'MMMQ' HH239(MX 23/2)=5' (542 73)'Q1'MMQ(' H' LLL

]' /:7./' (' D7H12=5' 1..25H'Q1'Q(((' H' L#L

64 ' ' >

L*#

@.(//23 %1:. 97)5 7%/2. /02 155 1% 0(5 40(9 @(825/R2MH 7(3 /02 5/7/2 1% /02 (3;=5 %22 (3;5 <

 8 6 -) #

^^);119 1.9

N 02 0:?73(/) U@0(40 (5 31/ 7?13; /02 275/ 4135H(4:1:5 1%) 1:. 2M42 23/ I:7 (/(25 R@1:9 7?H2.5:7929 ?7>2)1: %22 %1. /02 H.2523/ 9(5/.255 (3 R@0(40 /02 A:223 739 7.2 (3Q1 Q29 079)1: 31/ /02 %7./02. (34(/2?23/ 1% 7 5(342.2 7//740?23/ /1 :5 81/0 02 (// 2 18G24/ @2 7.2 92H 1.(3; @75 >31@3 /1)1: 739 41352I:23/)0(5 ?2.(/5X /02.2%1.2)1: @ 31/ 82 5:.H.(529 /07/ /02 8 1@ (5 5/.13; D2 81/0 47 13 /02 51 2 755(5/73/ /1 /0152 (3 9(5/.255 /02 9(4/7/25 1% .2 (;(13 07Q2 H.1H1529 /1 /02 A:223 739 502 7HH.1Q25 1% (/ /07/ 501: 9 925(.2)1: /1 41?2 13 7/:.97) 739 8.(3; . (502.F @(/0)1:X /07/ 13 :397) (3 ?)407H2 (3 /02 475/ 2 @2 ?7)07Q2 /02 41?%1./ 1% 027.(3;)1:H.2740 739 .242(Q(3;%.1?))1:.07395 /02 01)41??:3(13 /0(3> /0(5 7 Q2.) H.1H2. /(?2 %1. .232@(3; /02 87H/(5?7 Q1@X 739 /01:;0 ;.27/);.(2Q29 %22 /.:2 5:8?(55(13 /1 /02 924.225 1% -.1Q(92342 739 ;.27/ /073>%: 3255 %1. 07Q(3; 23G1)29 %1. %1(:)27.5 /07/ 927.(3%73/

N D(< ,+ !$"L 0

N 02 (3; 739 A:223 0 @.(/25 73370 1.2 N07Q2 5:%%2.29 (3%(3(/2) %.1?/02 155 1% /02 5@22/ (// 2 -.(342 @01 @75 /02 97.(3; 1% /02(. 027./5 @75 407.?29 @(/0 73 2MH.255(13 1% /02 (3;=5 < ^ 73) H21H 2 57(9 02 ^@1:9 .2;.2/ /02) 2Q2. 079 51 5@22/ 7 40(9 5(342 /02) @2.2 %1.429 /1 H7./ @(/0 0(? 07/ (5 31/ ?) 4752 7?/073>%: /1 19 %1. 07Q(3; ;(R74(1:5)7 1@29 ?2 /1 23G1)

F 02 2Q2.239 103 (502. 7313 1% (3951. @75 %1. 51?2 /(?2 H.242H/1. 1% /02 (3;=5 %1:./ (513 9@7.9 :>2 1% 23/ 739 7%/2.@7.95 1% /02 -.(34455 07.J 1//2 1% KD725 3 !"*L 02 @75 2 2Q7/29 /1 /02 (501H.(4 1% M2/2(= 739 (3 !"*$ @75/.735 7/29 /1 /02 22 1% 7(58:.) 1 9(29 (3 7) !"+V 797?2 9=.87) 5H27>5 1% 0(? 75 82(3; N(3 Q2.) 0(;0 739 Q2.) 9252.Q29 %7Q1:. @(/0 7 /02 .1)7 %7?() O R 9 , o Q1 (((HH !L+<L

/ 7. /7301H2=5 (5/ 1% 3; 739 Q1 Q((H MMMQ(HH239(MX 23/2)=5 (54 R Q4 MMQ(H LLL

- ‘ &&&

5/7/2‘ 1%‘ - : 8 (4‘ %%7(.5 < o193.)=5‘ 7Q7‘ (4/1.(25 < 2 (2%‘ 1%‘ (8.7 /7. < N‘ .?29‘ 2 : /.7 (/)Ơ 1%‘ /82‘ .27/‘ -1@2.5‘ 1%‘ : .1H2 < (.5/‘ HH27.7342‘ (3‘ - 7. (7?23/‘ 1%‘ KD((7?‘ -(//‘ ‘ ‘ 02.(973‘ 739‘ D((7?‘ D(82.%1.42 < 232.7‘ 9?(.7/(13‘ 1%‘ -(//=5‘ 1I : 2342 < 07. 25‘ 1M‘ 0(5‘ -15(/(13‘ 739‘ 0(5‘ 5514(7/25 < 7Q7‘ H2.7J /(135‘ 7 ; 7(35/‘ /02‘ : /40 < 1932)=5‘ 7H/ : .2‘ 1%‘ /02‘ 5 739‘ 1%‘ /‘ : 5/7/(7 < Q23/5‘ (3‘ ?2.(47 < : . .2392.89%‘ 07. 25/13‘ /1‘ /02‘ .(/(50 < 7// 25‘ 1%‘ 7?923‘ 739‘ 7/7@87‘ 1.95 < .2751378 2‘ 1(.25H1392344‘ 1%‘ /02‘ ?2.(473‘ 4(%2.7‘ .31 9‘ @(/0‘ 7G1.‘ 39.WR. .7 ; (47‘ 7/2‘ 1%‘ 7G1.‘ 39.W < 3924(5(Q2‘ ((/7.)‘ H2.7J /(135 < : . .2392.‘ 1%‘ /02‘ .(/(50‘ %1.425‘ : 392.‘ 1.9‘ 1.3@7 (5‘ /1‘ 232.7‘ D 750(3 ; /13‘ 7/‘ 1.>‘ 1@3

‘ @2‘ 75/‘ /:.329‘ %.1?‘ /02‘ 5:8G24/‘ 1%‘ H1 (/(45‘ /1‘ ; 7342‘ 1Q2.‘ /02‘ H2.5137‘ 739‘ 91?25/(4‘ 0(5/1.)‘ 1%‘ 21.;2‘ /02‘ 0(.9‘ 8 74>‘ 4 1:95‘ @2.2‘ /0.27/23(3;‘ /02‘ 925/(3(25‘ 1%‘ 3;J 739‘ 3‘ 799(/(13‘ /1‘ /02‘ 413/25/‘ @0(40‘ 502‘ @75‘ @7;(3;‘ @(/0‘ 02.‘ 1./0‘ ?2.(473‘ 1 13(25‘ 502‘ @75‘ 31/‘ 13)‘ 7/‘ @7.‘ 81/0‘ @(/0‘ .7342‘ 739‘ H7(3‘ 8:/‘ 015/((/(25‘ @(/0‘ 1 739‘ @2.2‘ 7 51‘ (?(323/‘ .2 739‘ @75‘ 81.92.(3;‘ 13‘ .282 (13‘ 02‘ 734(23/‘ 37Q7‘ ; 1.)‘ 1%‘ 3; 739‘ 522?29‘ /0.27/23(3;‘ /1‘ /7>2‘ (/5‘ % (;0/‘ %1.‘ 2Q2.‘ ?2.(473‘ H.(Q7/22.5‘ .192‘ (5/ 255)‘ 7/‘ 73401.‘ 7/‘ /02‘ ?1:/0‘ 1%‘ /02‘ .(/0‘ 1%‘ 1./0‘ 3; 739‘ 75‘ 075‘ :5:7)‘ 8223‘ 02.‘ 1/‘ 7/‘ /02‘ 41??2342?23/‘ 1%‘ 7‘ 9279)‘ 5/.:;; 2‘ 079‘ 501@3‘ 02.52 %‘ 13)‘ 07 %R7.?29‘ 739‘ 07 %RH.2J H7.29‘ /1‘ 2341:3/2.‘ 02.‘ %125‘ 7HH( )‘ %.1?‘ /0(5‘ 5/7/2‘ 1%‘ 0:?((7/(13‘ 502‘ @75‘ 781:/‘ /1‘ 82‘ .7(529‘ 8)‘ /02‘ ;23(:5‘ 739‘ Q7 1:.‘ 1%‘ 73‘ (:5/.(1:5‘ 3; (50?73‘ @0152‘ 5/1.)‘ %1.?5‘ 73‘ (3/2.25/(3;‘ 2H(5192‘ (3‘ /02‘ 7337 5‘ 1%‘ /0152‘ /(?25

9?(.7‘ (.‘ 21.;2‘ .)9;25‘ 1932)‘ 7%/2.@7.95‘ 1.9‘ 1932)‘ @75‘ 81.3‘ 13‘ /02‘ !,/0‘ 1%‘ 28.:7.)‘ !$!"‘ 739‘ 41352I:23/)‘ @023‘ 13‘ /02‘ !5/‘ 1%‘ 4/182.‘ !$$,‘ 02‘ @75‘ 7HH1(3/29‘ 37Q7‘ 1??7392.‘ (3‘ 0(2%‘ 13‘ /02‘ 22@7.9‘ 5 739

/7/(13' 02' @75'(3' 0(5' 5(M/)R524139')27.' 3' /02' @7.' @(/0'
.7342' @0(40' /2.?(37/29' (3' !$#+' 02' 079' 9(5/(3;:(5029'
0(?52%' 75' 7' ?15/' 78 2' 739' ;7 73/' 1%%(42.' 5(342' @0(40'
H2.(19' 02' 079' 92Q1/29' ?:40' 1%' 0(5' /(?2' 739' /01:;0/5' (3'
92Q(5(3;' H.1G24/5' %1.' 925/.1)(3;' 1.' 9(578 (3;' /02' %22/5' 1%'
/02' 232?(25' 1%' 0(5' 41:3/.) F' 3%1./:37/2)' /0W' 2MH23525'
23/7(29' :H13' 0(?' 8)' 7' 3:?2.1:5' %7?( )' 75' @2' 75' /02'
2M2.4(52' 1%' 7' /11' ;232.1:5' 015H(/7 (/)' 739' (/' (5' 57(9' /02'
7 :.2?23/5' 1%' /02' ;7?(3;R/78 2^079' (3Q1 Q29' 0(?' (3' H24:J
3(7.)' 9(%%(4: /(25' @0(40' .2392.29' (/' ?:40' ?1.2' 413Q23(23/'
(%' 31/' 57%2.' %1.' 0(?' /1' .25(92' (3' .7392' /073' (3' 3; 739'
3' -7.(;' 01@2Q2.' @02.2' 02' /11>' :H' 0(5' 78192' 31/' 13)'
9(9' 0(5' 5/.(>(3;' H2.513' 0(5' %754(37/(3;' ?7332.5' 739' 7;.22J
78 2' 739' 23 (;0/2329' 413Q2.57/(13' 279' /1' 0(5' 514(2/)' 82(3;'
41:./29' 8)' /02' ?15/' %750(1378 2' 739' ?15/' %75/(9(1:5' 8:/' (3'
/02' 0(;025/' ?((/7.)' 739' 37Q7' 4(.4 25' 7?H 2' 0131:.' @75'
9132' /1' 0(5' 7.923/' H7/.(1/(5?' 739' ;.27/' H.1%255(137' /7 23/5'
8)' 7' H21H 2' Q01?' 02' 079' %1.?2.)' /7:;0/' /1' /.2?8 2' 7/' /02'
?23/(13' 1%' 0(5' 37?2

02' ;.27/' 18G24/' 1%' 1932)=5' (%2' @75' /1' 82' 7%%1.929' 73'
1HH1./:3(/)' 1%' 9(5/(3;:(50(3;' 0(?52%' (3' /(?2' 1%' @7.' (//2.'
/023' 079' 8223' 0(5' 9(57HH1(3/?23/' 739' ?1./(%(47/(13' @023'
13' /02' 8.27>(3;' 1:/' 1%' 015/((/(25' @(/0' .7342' (3' !$$"' 31/'
13)' 9(9' 0(5' .2H27/29' 739' /1' :52' 0(5' 1@3' @1.9' N0:?8 2 0'
7HH (47/(135' /1' /02' 9?>7 /)' %1.' 2?H 1)?23/ H.1Q2' (32%%24J
/:7' 8:/' @023' 132' % 7;' 1%%(42.' 7%/2.' 731/02.' G:3(1.' /1' 0(?'
(3' .73>' @75' 52 24/29' /1' 52.Q2' 7;7(35/' /02' 232?)' (3' H.2%2.J
2342' /1' 0(?52%' .923/)' 02' 13;29' /1' .2H7(.' /1' 13913'
739' /1' 7)' 0(5' 4 7(?5' H2.5137)' 82%1.2' 0(5' 1Q2.2(;3' 8:/'
0(5' 928/5' 739' 0(5' 4.29(/1.5' H.2Q23/29' 0(5' I:(//(3;' -7.(5'
3' 0(5' 9(5/.255' 7441.9(3;' /1' (.' 7/073(2' D.7M7' 02' 523/'
1Q2.' 79)' 1932)' /1' 3; 739' (3' /02' Q7(3' 01H2' 1%' 02.' 82?;'
78 2' /1' (39:42' 0(5' %.(2395' /02.2' /1' 1H23' 7' 5:854.(H/(13' (3' 0(5

82/7 %' 7/' D 0(/2=5' :8' N' 2 7)5 0' 02' @.(/25' /1' 02.' N'7.2' @1.52' /073' 927/0' 25H24(7)' 7/' /0(5' 4.(/(47' /(?2' B@023' 2Q2.)' 01:.' /22?5' @(/0' ?1?23/7.)' 2MH24/7/(13' 1% @7. FÙ (

02' H24:3(7.)'.2 (2%' @0(40' 1932)'@75':378 2' /1' H.14:.2' %.1?' 0(5' %.(2395' (3' 3; 739' 02' 5:852I:23/)' 1@29' /1' /02' 318 2' ;232.15(/)' 1%' 7' .2340?73' 739' 73' 232?)' /1' 0(5' 41:3/.)' 2' @75' 5/(' 13;(3;'%1.'/02' ?2735' 1%' /(R735H1./R' (3;'0((352 %' (.1?' -7.(5' /1' 13913' @023' /02' 0(;0R?(3929' 7.W407' (.13' (3' /02' ?15/' 92 (47/2' ?7332.' ?792' 0(?T' /02' 1%%2.' 1%' 0(5' H:.52' N' 2' /1 9' ?2 0' @((/25' 1932)' N'/07/' 7' .7342' @75' 5235(8 2' 1%' /02' 52.Q(425' ' 079' .2392.29' ?)' 41:3/.)' 739' /07/' /02' /.27/?23/' /02)' 7' >32@' ' 079' .24W(Q29' @75' 7' 9(5;.742' /1' /02' 37/(13' 739' /1' (/5' ?(3(5/2.5 0%' @(42' /02' 1%%2.5' 1%' /02' N';119' 1 9' ?73 0' 75' 1932)' 5/) 25' 0(?' @2.2' ;.7/2%:)' 8:/' %(.?)' 924 (329' Q23/:7)' 01@2Q2.=/02' /2?H/7/(13' H.1Q29' /11' ;(B27/'%1.'/02' ;7 73/' 9?(.7=5' H1@2.5' 1%' .25(5/7342' 2' 075' 7/' 23;/0' 02' @.(/25' /1' 79)' 1932)' 13' /02' #/0' 1%' 7)' !$$"' 8223' (39:429' /1' 7442H/' /02' 173' 1%' 132' /01:5739' 1(((5' %.1?' /02' 7.W407 X 7' 5:?' 02' 7995' @0(40' @(' 2378 2' 0(?' /1' 27Q2' -7.(5' @(/01:/' 2(/02.' (34:..(3;' .2H.1740' 1.' 82(3;' ?1 25/29' 8)' 0(5' 4.29(/1.5' N' 02(.' 92?7395 0' 02' H.142295' N'@2.2' 7' 57/(5%(29' /0(5' 97)' X 739' /02' %2@' 97)5' .2?7(3' (3' /0(5' 4(/)' @(' 82' 144:H(29' (3' Q(5(/(3;' 7' /0152' ;.27/'%7?((25' %.1?'@01?' 07Q2' .242(Q29' 51' ?73)'4(Q((/(25' 739' @0152' 7//23/(13' (3' H7)(3;' ?2' 97()' 739' 4135/73/'Q(5(/5' (3' 7' ;.27/' ?275:.2' >2H/' ?)'4.29(/1.5' %.1?' 82(3;' 51' /.1:8 2R' 513(2' 75' /02)' 1/02.@(52' @1:9' 07Q2' 8223 0' /' ?7)'%(2' ?23/(1329' /07/' %1:.')27.5' 7%/2.@7.95' @023' /02' /(9(3;5' 1%' /02' ;.27/'Q(4/1.)' 18/7(329' 8)' 1932)' 1Q2.' /02' 1:3/' 92' .7552' 5H.279' 4135/2.37/(13' /0.1:;01:/' .7342' /02' H1H:J 742' 1%' -7.(5/:.329'7' /02(.'%:.)'/1@7.95'/02'Q232.78 2' 7.WR

F' (?9)=5' (%2'1%' 1932)'Q1' ('H' !$L']' '5 #'Q1' ('H' !"*
f' '5 #'Q1' ('HH' !"*' !"!

487 ' 739' 2Q23' ? 237429' ((?' @(/0' H2.5137 'Q(1 2342 ' 75' 07Q(3 ;' 8223' /02' ? 2735' 1%' 2378 (3 ;' 19 : 2)' /1B I : (/' /02(.' 501.25 ' (2' H2.(' 01@2Q2. ' 7%%24/29' 0(?' 8 : /' (// 2 ' 2' ; 1.(29' 7 (>2 B02' 57(9 ' (3' /02' ? 73' @0152' %.2291?' 02' 079' H.14 : .29 ' 739' (3' /02' Q(4/1.)' @0(40' 02' 079' 51' 318)' @13 F

: /' 7 /01 : ;0' 1932)' @75' 31@' 13' /02' 5H1/' /1' : . ;2' 0(5' 4 7(?5' : H13' /02' 9?(.7 /) ' (/' @75' 31/' /(' /02' !5/' 1%' 4/182.' !$$, ' /07/' 0(5' 52.Q(425' @2.2' 47 29' (3/1' .2 I : (5(/(13 ' @023' 02' @75' 7HH1(3/29' 1? ? 7392.' (3' 0(2%' 13' /02' 22@7.9' 5 7395' 739' 7.879125' 5/7/(13 ' (// 2' /(?2' @75' 15/' 8)' 1932)' (3' .27 (6(3 ;' /02' 2MH24/7/(135' 1%' 0(5' %.(2395 ' 7((3 ;' %.1?' 3 ; 739 ' @(/0' 7' %7(.' Q(39' 13' /02' + ,/0' 1%' 242?82. ' 02' %2 ' (3' @(/0 ' 739' 47H/ : .29 ' 13' /02' "/0' 1%' 73 : 7.)' %1 1@(3 ; ' 7' .(40' H73(50' 413Q1)' 4135(5/(3 ;' 1%' 3 : ? 2.1 : 5' Q2552 5' 7923' Q(/0 37Q7 ' 5/1.25' 739' H.1Q(5(135 ' 81 : 39' %.1?' / ' 2875/(73' %1.' 79(6 ' : /' 7' %7.' ?1(R2' 8.((73/' 5 : 44255' 7@7(/29' 0(? ' 3' /02' !#/0' 1%' /02' 57?2' ?13/0 ' 02' 2341 : 3/2.29 ' 1%%' / ' (3423/ ' /02' H73(50' % 22/ ' 4135(5/(3 ;' 1%' 2 2Q23' 50(H5' 1%' /02' (32' 739' / Q1' %(=(;7/25 ' 41? ? 73929' 8)' 13' : 73' 92' 73 ;7.7 ' 02' 185/74 25' @0(40' 5/7.29' 0(?' (3' /02' %742 < 5 : 40' 75' /02' 7HH.1740' 1%' 97.>3255 ' 7' 22R501.2' .2392.29' %1.?(978 2' 8)' 5017 5' 739' 8.27>2.5 ' 739' /02' /2?H25/ : 1 : 5' 5/7/2' 1%' /02' @27/02. < @1 : 9' 07Q2' H.1878)' 92/2..29' 7' 255' 79Q23J / : .1 : 5' 41? ? 7392.' %.1?' 522>(3 ;' /1' 8.(3 ;' 13' 73' 74/(13 ' 739' /0 : 5' 07Q2' 7%%1.929' /02' 232?)' 73' 1HH1./ : 3(/)' 1%' 2%%24/(3 ;' /02(.' 2547H2 ' 1932) ' 01@2Q2. ' 7/' 1342' 81.2' 91@3' : H13' /02' H73(50' 9?(.7 ' 8)' @01?' 02' @75' 2341 : 3/2.29' @(/0' 7' ;7 73/.)' 2 I : 7 ' /1' 0(5' Q3' 3' 97.>3255' 739' 413% : 5(13' /02' 413% (4/' .7 ;29' /(' /@1' 01 : .5' 7%/2.' ?(93(;0/ ' @023' 132' 1%' /02' H73(50' (32' 1%' 87// 2' 50(H5' 8 2@' : H' @(/0' 7' /2..(8 2' 2MH 15(13 ' Q2.)' H2.513' 13' 817.9' H2.(5029 '% ' : 852 I : 23/) ' %1 : .' 1%' /02' 232?)=5' (32' 1%' 87// 2' 50(H5 ' (34 : 9(3 ;' 73 ;7.7=5

F' :39)=5 (%2 1%' 1932)' Q1 ' (' HH' !"+' !"L
]' 1932)=5 925H7/40' /1' /02' 9?(.7 /)' 73:7.)' +$/0' !$"*' X ' 0' , " #0 ' Q1 ' (' H' +++

% 7;R5/(H' /02' N' -0123(M O' @2.2' 7H/:(29' 739' 8.1:;0/' (3/1'
(8.7 /7.' @1R?1.2' @2.2' 9((Q23' 13' 501.2' 739' 15/' /02'
.2?7(392.' 2%%24/(3;' /02(.' 2547H2' (3' 51' 507//2.29' 7' 4139(/(13'
/0(7/' /02' H73(50' % 22/' ?7)' 7 ?15/' 82' 57(9' /1' 07Q2' 8223'
733(0(7/29

0:5' @75' 1932)' 2378 29' /1' 473R)' 1:/' /02' %(.5/' 7./(4 2'
1%' 0(5' (35/.:4/(135' /02' .2 (2%' 1%' (8.7 /7.' 7/' /0(5' /(?2'
4 152)' 825(2;29' 8)' /02' %1.425' 1%' H7(3' 739' .7342' 13J
5(92.(3;' /02' 413/2?H/:1:5' /.27/?23/' @0(40' 02' 079' .242(Q29'
%.1?' /02' 1Q2.3?23/' @2' ?7)' .279()' (?7;(32' /02' H.1:9'
Ƀ 37/:.2' 1%' 0(5' %22 (3;5' @023' 02' /11>' :H' 0(5' H23' 739' @.1/2' /1'
0(5' :3;.74(1:5' 2?H 1)2.5<N' .27/' .(/7(3' (5' 7;7(3' ?(5/.255'
=1%' /02' /.7(/5 O' 1' 79)' 1932)' 02' @.(/25' 7' %2@' 97)5'
7%/2.@7.95<N' '07Q2' (>2@(52' .2 (2Q29' (31.47X' 739' .27/'
.(/7(3' /0(5' ?1?23/' .2(;35' 51Q2.2(;3' 1%' /02' 29(/2..73273'
75' @2' '75' 1%' /02' 14273 O' F' 7Q(3;' 5:HH (29' (8.7 /7.' P
@(/0' H.1Q(5(135' 739' 1/02.' 5/1.25' 739' 07Q(3;' .242(Q29' /02'
413;.7/:7/(135' 1%' (/5' 8.7Q2' 92%2392.5' 1932)' (3' H:.J
5:7342' 1%' 0(5' (35/.:4/(135' 5/22.29' 0(5' 41:.52' %1.' /02' D 25/'
39(25' @02.2' 02' 01H29' /1' 740(2Q2' 5/(' ?1.2' (?H1./73/'
739' 8.((73/' /.(:?H05' 02' 79Q73/7;25' @0(40' 7/' /0(5'
?1?23/1:5' 37/(137' 4.(5(5' 7' ;H.(1:5' 739' 1Q2.@02?(3;'
37Q7' Q(4/1.)' @1:9' 413%2.' :H13' .27/' .(/7(3' @2.2' (3J
47 4:78 2' 1/' 13)' @75' 1 739' 524.2/)' H.2H7.(3;' /1'
8241?2' /02' 7)' 1%' .7342' 739' H7(3' 8:/' ?15/' 1%' /02' ;.27/'
-1@2.5' 1%' :.1H2' G27 1:5' 1%' /02' ?7.(/(?2' H1@2.' 739' 1%' /02'
2M4:5(Q2' ?7.(/(?2' .(;0/5' 4 7(?29' 8)' .27/' .(/7(3' @2.2'
27;:29' 7;7(35/' 02.' 8)' @07/' (5' @2' '>31@3' 75' /02' N' .?29'
2:/.7 (/) O' ' /07/' ?73' 41:9' 91' 1932)' @75' 7 (>2'
H.2H7.29' 739' 8:.3(3;' /1' 740(2Q2' .27/' /023' @75' 0(5'
H.('$' 57/(5%74/(13' @023' /02' 5(;0/' 1%' /02' .2340' % 22/' 41??73929'
8)' /02' 1:3/' 92' :(4023' 522?29' /1' 755:.2' 0(?' /02' ;.27/'
Q(4/1.)' @0(40' 02' 079' 51' 13;' 8223' H.1?(5(3;' 0(?52 %' 2

@75' 925/(329' 01@2Q2.' /1' 2341:3/2.' 7' 8(//2.' 9(57HH1(3/J ?23/' 7Q(3;' 5:4422929' (3' ;7(3(3;' 0(5' H.(?7.)' 18G24/' /07/' 1%8.(3;(3;' /02' 232?)' /1' 4 152' I:7./2.5' 02' 81.2' 91@3' @(/0' 0(5' 744:5/1?29' ;7 73/.)' (3' 0(5' 7;' 0(H' /02' N' 739R' Q(40 0' :H13' 2' :(4023=5' 7;' 0(H' /02' N' 1:.1332 0' 2MH24/(3;' /1' ?22/' @(/0' /07/' 23/(.2' 5:HH1./' %(F1?' 0(5' 1% 42.5' @(/01:/' @0(40' (/' @75' (?H155(8 2' /07/' 7' 5(;37' 739' 924(5(Q2' Q(4/1.)' 41: 9' 82' 740(2Q29' @(3;' 01@2Q2.' 2(/02.' /1' H:5(J 73(?(/)' /1' 9(57(%24/(13' 1.' /1' (32%%(4(234)' 13' /02' H7./' 1%0(5' 47H/7(35' /02' .(/(50' 50(H5' 8247?2' 13)' H7./(7)' 23;7;29' 739' /02' 74/(13' 41352I:23/)' H.1Q29' /1' 82' 73' (3924(5(Q2' 132' 2(/02.' 9(9' 1932)=5' 9(57HH1(3/?23/' 42752' 02.2' 2' 079' 31/' 13)' /02' ?1./(%(47/(13' /1' 27.3' 7/' 7' 7/2.' 97/2' /07/' 2' :(4023' 079' .2/:.329' @(/0' 0(5' 50(H5' /1' :.1H2' 413Q1)(3;' 7' .(40' % 22/' 1%01?2@7.9R81:39' ?2.4073/R50(H5' 8:/' /07/' /02' H73(50' % 22/' :392.' /02' 41??739' 1%' 9?(.7' 1 7.1' @0(40' 02' 079' 01H29' /1' (3/2.42H/' 739' %1.42' /1' ;(Q2' 0(?' 87// 2' @75' .(9(3;' 524:.2)' 7/' 73401.' 7/' /02' 7Q73370

3' /02' ?273' /(?2' /02' .(/(50' -7.(7?23/' 079' 8223' 9(5R 51 Q29' 13' /02' !5/' 1%' 2H/2?82.' 739' 13' /02' L!5/' 1%' 4/1J 82.' /02' .2423/)' 2 24/29' 1:52' 1%' 1??135' 41?H.(5(3;' 31' %2@2.' /073' 132' 0:39.29' 739' /0(./223' 32@' ?2?82.5' 7552?J 8 29' 7/' D25/?(35/2.' (3(5/2.5' 7/' /02' 41??2342?23/' 1% /02' 47?H7(;3' 740(2Q29' 52Q2.7' 5(;37' /.(:?H05' 3' 81/0' 01:525' 1%' -7.(7?23/' /02' 7?239?23/5' H.1H1529' 8)' /02' HH15(/(13' /1' /02' 99.255' @2.2' .2G24/29' 8)' 7.;2' ?7G1.(/(25 02' 1Q2.3?23/' 31?(322' %1.' /02' H27>2.50(H' 1%' /02' 1:52' 1%' 1??135' .' 07.25' D1(.73' 1.3@7' @75' 2 24/29' (3' /02' H 742' 1%' (.' 2/402.' 1./13 F' 392.' /0252' 4(.4:?J 5/73425' (/' @75' /1' 31' H:.H152' /07/' :.>2' 7;7(3' 8.1:;0/' %1.J @7.9' 0(5' H 73' 1%' 4131?(47' 2%1.?' /' @75' /0.1@3' 1:/' 13' /02' 524139' .279(3;' 8)' 7' ?7G1.(/)' 1%' +LL' 7;7(35/' !,*' I:7)' %:/(2' Q75' 73' 7//2?H/' ?792' 8)' 1M' /1' H:/' 73' 239

/1' /02' @7.' @(/0' /02' ?2.(473R 1 13(25 ' (5' ?1/(13' @75'
.2G24/29' 8)' 7' ?7G1.(/)' 1% $L ' P U
?13;' /02' ?2?82.5' @01' 31@' %1.' /02' %(.5/' /(?2' /11>'
/02(.' 527/5'(3'/02' 1:52' 1% 1??135' @2.2' D((7?' -(//'
(407.9' .(35 2)' 02.(973' 739' D((7?' D(82.%1.42' B-(//'
739' D(82.%1.42' 079' 52Q2.7)' G:5/' 41?H 2/29' /02' 7;2' 1%'
/@23/)R132' 02.(973' 079'G:5/' 41?H 2/29' 0(5'/@23/)R3(3/0'
)27.' 07. 25' 1M' @75'(3' 0(5' /0(./)R524139')27.' -(//'
@75'.2/:.329' 8)' (.' 7?25' 1@/02.' %1.' /02' 4 152' 81.1:;0'
1%' HH 28)' (3' D 25/?1.2 739X 02.(973' @75' 2 24/29' %1.'
/7%%1.9' 739' D(82.%1.42' 7/' /02' 415/' 1% 82/@223' `"***'
739' `,***' %1.' F U

!$"!' D(82.%1.42=5'%(.5/' 5H2240' (3' -7. (7?23/' @75' 92 (Q2.29' 10'
/02' !$/0B1%' 7)' !$"! %R' 8:/' @(/0' @07/' 7?1:3/' 1% 5:44255'
0(5' 5135' (3' /02(.' 8(1;.7H0)' 1% 0(?' 07Q2' 31/' .241.929'
02.(973' 5H1>2' %1.' /02' %(.5/' /(?2' 13' /02' +*/0' 1% 1Q2?82.'
!$"*' 13' 7' 5:8G24/' 1% 4135(92.78 2' (3/2.25/' /1' 0(?52 %' /02'
Q7 (9(/)' 1% 0(5' 1@3' 2 24/(13' %1.' /7%%1.9' (5' H2.%1.?7342'
;7Q2' 8:/' (// 2' H.1?(52' 1% /02' 8.((73/' %:/:.2' @0(40' 7@7(/29'
0(?' D023' 82%1.2' I:(//(3;' /02' 1:52' 02' 73M(1:5)'
23I:(.29' 1% 0(5' (.(239' D119%7 ' @07/' 0(5' 1H(3(13' @75' 1% 0(5'
5H2240' /02' 7//2.' 01325/)' /1 9' 0(?' / (7/' 02' /01:;0/' 02' 079'
?(5/7>23' 0(5' Q147/(13' 739' /07/' 02' 079' 82//2.' 07Q2' 4 :3;' /1'
0(5' %1.?2.' H:.5:(/5' N' /' (5' (3' ?2' 01@2Q2.X O' Q202?23/)'
2M4 7(?29' 02.(973' N' 739' 8) RRRR <(/' 507 ' 41?2' 1:/T O' GX
2.)' 9(%%2.23/' @75' /02' 2%%24/' H.19:429' 8)' /02' %(.5/' -7.J
(7?23/7.)' 2%%1./' 1% D((7?' -(//' 02' %(.5/' 14475(13' 13'
@0(40' 02' 5H1>2' @75' 13' /02' 5(92' 1% /02' HH15(/(13' 13' /02'
?1/(13' %1.' /02' 524139' .279(3;' 1% :.>2=5' 4131?(47' 2%1.?'
(' D023' 02' .152' %(=1?' 0(5' 527/' (/' @75' (3' 7' 1:52' (3'
@0(40' 31' %2@2.' /073' %1:.' 0:39.29' 739' /@23/)R/0.22' ??2?J
82.5' @2.2' H.2523/' 2740' 739' 7 ' 1% @01?' @2.2' 4:.(1:5' /1'
(5/23' /1' /02' 513' 1% /02' (:5/.(1:5' 07/07?' 32' @01

F (%2' 1% D(82.%1.42' Q1 ' (' H' !V']' Q1 ' (' H' +*
' 11.2=5' (%2' 1% 02.(973' Q1 ' (' H' LS'" X L.9' 9(/(13

0(?52 %' 5H1>2B' 13' /07/' 3(;0/ F' 075' 9254.(829' /02' 92H1./J ?23/' 739' 73;:7;2' 1%' /02')13/0%((' 1.7/1.' 75' E@2' 75' /02' 52357/(13' @0(40' 0(5' 2 1I:2342' H.19:429' H27>(3;' %.1?' :392.' /02' ;7 2.)' 13' /02R' HH15(/(13' 5(92' 1%' /02' 1:52' /02' %2@' %(.5/' 523/23425' @0(40' 02' ://2.29' 501@29' 0(?' /1' 82' 7 .279)' /02' 4135:??7/2' ?75/2.' 1%' 73' 7./' (3' @0(40' 1/02.5' 07Q2' 2MH23929')27.5' 1%R/1(' 739' 5/:9)' @(/01:/' 74I:(.(3;' ?1.2' /073' 7' .25H24/78 2' ?29(14.(/)' 1' 5:H2.J % :1:5' (?7;2.)' 31' 7//2?H/' 7/' 8.((734)' 1%' 2%%24/' 31/' 2Q23' 7' 4 755(47' 7 :5(13' ?7.>29' /0(5' %(.5/' 739' %7?1:5' 9(5H 7)' 1%' /02' ;.27/' 1.7/1.(47' H1@2.5' 1%' /02')1:3;2.' -(//' (5' ?7332.' @75' 47 ?' ?1925/ F' 9(;3(%(29' 739' H2.%24/)' 52 %R' H15525529' (5' Q1(42' @75' 7 (>2' 5(Q2.)' 739' 5131.1:5' (5' @1.95' % 1@29' %.1?' 0(?' (3' 73;:7;2' 75' 744:.7/2^.(40' 739' % :23/' 739' (3' 523/23425' 75' .1:3929' 739' %(3(5029' 75' (%' 02' 079' 8223' .279(3;' 1.' .2027.5(3;' /02?' (3' /02' H.(Q74)' 1%' 0(5' 1@3' 5/:9)' (5' 7:9(2342' 75' /02)' (5/2329' /1' /02?' .241;J 3(529' (3' 0(?' 7/' 1342' 31/' 13)' /02' ?7/:.2' 739' .279)R%1.?29' 1.7/1.' 8:/' (3' 7 ' H.1878((/)' /02' %:/:.2' %(.5/' ?(3(5/2.' 1%' /02' .1:?' 02' 52357/(13' @0(40' 0(5' 2 1I:2342' H.19:429' @75' (3/2352' X 0(5' 5:44255' @75' 41?H 2/2' 1.9' 1./0' H.131:3429' (/' /1' 82' /02' 825/' N%(.5/' 5H2240' Ó /1' @0(40' 02' 079' 2Q2.' (5/2329 T' 2' (5' 31/' ?2.2)' 7' 40(H' 1%' /02' 1 9' 14>' 57(9' :.>2' 8:/' /02' 1 9' 14>' (/52 %' T' 02' 1 92.' ?2?82.5' H2.42(Q29' (3' 0(5' 41:3/237342' 75' @2 ' 75' (3' 0(5' ;23(:5' 7' .252?8 7342' /1' 0(5' (:5/.(1:5' 5(.2' N' 1' (923/(%)' 0(?Ó' 57(9' 119231:;0' (501H' 1%' 7.(5 2' N' /02.2' @73/29' 13)' 7' %2@' @(3> 25' (3' 0(5' %742 O

?13;' /02' %1.2?15/' /1' 413;.7/:7/2' /02')1F:3;' 1.7/1.' @75' 07.25' 1M' @01' 31/@(/05/739(3;'' /02' 13;' ±739' 8(//2.' 73(?15(/)' @0(40' 079' 2M(5/29' 82/@223' /02(.' %7/02.5

F' (.' 7/073(2' KD.7M7 X' (5/1.(47' 2?1(.5 1%' (5' 1@3' (?2' Q1 ' ((' HH' LLL' RLS!X' L.9' 9(/(13
]' 7.' :552 =5' 2?1.(7 5 1%' 1M' Q1 ' (' H' +#!'
' D.7M7 =5' (5/' 2?1(.85' Q1 ' ((' H' LS+

075/2329 /1 755:.2 0(5 %:/:.2 .(Q7 01@ 0(;0) 02 7HH.2J
4(7/29 /02 2 1I:2342 739 78(/) @0(40 02 079 G:5/ 9(5J
H 7)29 N M0 @.(/25 D 7 H1 2 N@75 407.?29 @(/0 0(5
1:/52/ 739 1Q29 0(? 0F 3) 13 132 14475(13 079 /02)
H.2Q(1:5) ?2/ @023 9:.(3;7 9287/2 (3 /02 1:52 1%
1.95R -(//) /023 7 ?2.2 81) R079 744(923/7) %1:39 0(?J
52 % 5/739(3;5(92 8) 5(92 @(/0 1M :H13 /02 5/2H5 1% /02
/0.132 3 /07/ 14475(13 1M 75 02 0(?52 % :529 /1
.2 7/2 079 8223 31/ 7 (// 2 5:.H.(529 7/ /02 922H (3/2.25/
/7>23 (3 /02 9(54:55(135 8) 132 51) :3;X /02 %:/:.2 1.7/1.
.2H27/29) /:.3(3;/1 0(?739 2M4 7(?(3;< N :/ 5:.2)
. 1M /07/ ?(;0/ 82 ?2/ /0:5X0< 1. N 25 8:/ 5:.2)
02 7)5 0(?52 % 1H23 /1 /0(5 .2/1./0 %D023 /02) 31@ %1.
/02 524139 /(?2 ?2/ 739 @0(2 /02) @2.2 .232@(3;/02(.R
74I:7(3/7342 (3 /02 1:52 1% 1??135 7 Q2/2.73 ?2?82.
57(9 /1 07Q2 8223 232.7 .73/ 7HG(.174029 739 51?2J
@07/ 9(541342./29 /02?81/0 8) 73 (R/(?29 .2?7.> @0(40
2547H29 0(? N 1: ?7) @2 0 02 57(9 /1 1M N H.7(52
)1:3;-(// %1. 0(5 5H2240 %1. 2M42H/)1:.52 % /02.2 (5 31
?73 (3 /02 1:52 41: 9 07Q2 ?792 5:40 731/02. 9
75 7?2MH24/ 739 01H2 /1 027.)1: 81/0 87// (3;(/
@(/0(3 /0252 @7 5 75 07Q2 9132)1:.%7/02.5 82%1.2)1: 0
N 232.7 0 @75 /02 07HH) .2H) 1% -(// N 07Q2 31 91:8/
)1: @1: 9 (>2 /1 (Q2 /1 /02 7;2 1% 2/0:52 70 BB= GX

3 /02 L!5/ 1% 7) %1 1@(3; -(// 7;7(3P799.25529
/02 1:52 1% 1??135 1M @01 7/ /02 57?2 ?1J
?23/ 079 .(523 /1 5H27> 7/ 1342 ;(Q(3; @7) 739 .25(?(R
(3; 0(5 527/ 3 /0(5 75 13 /02 %(.5/ 14475(13 /02
5:44255 1% /02)1:/0%: 1.7/1. @75 41?H 2/2 N 02
H7H2.5 0 @.(/25 0(5 %.(239 D(82.%1.42 7 %2@ 97)5 7%/2.J
@7.95 e N@(07Q2 (3%1.?29)1: 01@ . D((7?-(//

F D 7 H1 2=5 75/ 1:.37 5 Q1 ((H #+L
]1.9 747:7)=5 (1;.7HO(25 H !S$
d 7. :552 =5 2?1.(7 5 1% 1M Q1 (H +#+
e ,:/(2 !$"!' (%2 1% D(82.%1.42 Q1 (H ++

524139' 513' 1%' /02' 7/2' 1.9' 07/07?' 075' 9(5/(3;:(5029'
0(?52%' 2' 41?25' 1:/' 75' 0(5' %7/02.' 9(9' 7' .279)R?792'
1.7/1.' 739' ' 91:8/' 31/' 8:/' /07/' ' 507 ' 132' 97)' 1.'
1/02.' 522' 0(?' /02' %(.5/' ?73' (3' /02' 41:3/.) 0' 3' /02'
57?2' 5H(./' 1%' H.1H02/(4' 41??2397/(13' 1.742' D7H12'
@./25' /1' 232.7' 13@7)' 13' /02' L.9' 1%' : 3 2 N' 1:3;'
D((7?' -(//' 075' 7;7(3' 9(5H7)29' H7/2.37' 1.7/1.)' 02'
1/02.' 97)' 13' /02' 1??(55(13' 1%' 441:3/5' 02' 735@2.29'
1.9' 1./0' 739' /1.2' 0(?' (?8' %.1?' (?8' %' 07.25'
1M' 41:9' %22' 132' @1:9' /0(3>' 5:40' 7' .(Q7' @(/0' 73'
:35H1//29' 407.74/2.' @1:9' .1:52' 0(?' D07/' (%' 7' -(//' 739'
1M' 501:9' 7;7(3' 82' .(Q7 5c0 F' .27/' (39229' @75' /02'
79Q73/7;2' @0(40' -(//=5' N':35H1//29' 407.74/2.'0' ;7Q2' 0(?'
1Q2.' 1M' 1/' 13)' 079' /02' 7//2.' 8)' 0(;0' H 7)' 8)' 0(5'
927 (3;5' @(/0' ?132)R 2392.5' 739' 8)' /02' H:.5:(/' 1%' H 275:(B2'
.29:429' 0(?52%' /1' /02' Q2.;2' 1%' .:(3' 8:/' (/' @75' 7' %74/' /07(/'
7/' /02' Q2.)' /(?2' @023' -(//' @75' 740(2Q(3;' 0(5' 524139'
/.(:?H0' (3' /02' 1:52' 1%' 1??135' /02' 02.(%%5' 1%%(42.5'
@2.2' 74/:7)' (3' H155255(13' 1%' 1M=5' 01:52' (3' /' 7?25=5'
/.22/' N 5' ' 47?2' :H' /' 7?25=5' /.22/0' @.(/25' D7H1 '
/1' 232.7' 13@7)' 13' /02' L!5/' 1%' 7)' N ' 57@' 7' 47./' 739'
H1./2.5' 7/' 07.25=5' 911.X 41HH2.5' 739' 1 9' 4025/5' 1%'
9.7@2.5' 179(3;' 3' 501./' 0(5' 5:44255' 7/' %7.1' 075' 7@7>2329'
0(5' 015/' 1%' 4.29(/1.5' 8:/' :3 255' 0(5' 873>' 079' 5@2 29' /1'
/02' 5(62' 1%' /02' 73>' 1%' 3; 739' (/' @1:9' 31/' 07Q2')(2 929'
7' 51H' 7=H(242' %1.' 2740' H51?' /11' 079' 8223' :3H.1R'
H(/(1:5' 739' 132' 4.29(/1.' 075' 74/:7)' 52(629' 739' 27.329' 1%%'
0(5' ;1195' QO(40' 9(9' 31/' 522?' @1./0' .2?1Q(3;' 5' '
.2/:.329' %:' 1%' /0(5' 54232' @01?' 501:9' ' %(39' 57:3/2.(3;'
8)' ?)' 1@3' 911.' 8:/' 07.25'¢' 2' 47?2' :H' 739' /7>29'
/1' ?2' 7/' /02' 41740R@(39H@' 13' /02' 73(7;2' (' @(/0' 75'
?:40' : #' 75' (%' 02' >32@' 31/0(3;' 1%' @07/' 079B07HJ
H2329 0' %

F' D7H12=5' 2//2.5' Q1' Q(((' H' S"' 9' !"V"
/' 8% #)' Q1' Q(((' HH' S#<S$' 3' /02' #/(1% 7)' KD7H12' 079' @((//2:' /1

N /' (5 7 4: .(1:5 %74/ 0 @(/25 1.9 747: 7) ' N@2 ' .2J ?2?82.29 8) ' 51?2 Q2.) ' .2423/) ' (Q(3; ' /07/ ' 5113 7%/2.' / ((5 9287/2 ' s+# 28.:7.) -(//=5 37?2 @75 H:/ :H 8) ' 1M 7/ .11>5=5 0F 1:8/ 255 1M 739 0(5 H1 (/(47 ' %.(2395 Q2.2 ' 13) ' /11 ' H 27529 7/ 82(3;' 78 2 /1 7//740 /1 ' /02(.' 514(2/) ' 75 @2 ' 75 /1 ' /02(.' H7./) ' 132 1% 51 (:5/.(1:5 7 37?2 739 1% -7. (73(23/7.) ' 78((/(25 1% 51 0(;0 7 H.1?(52 ' 8:/ (/ Q75 7 H.29(24/(13 @0(40 H.1Q29 13) ' 1% 501./ 413/(3:7342 ' / Q75 (3 %74/ 13) ' /0.22)27.5 7%/2.@7.95 ' /07/ < 1HH15(/2 /1 ' /02 Q2.) ' @(391@5 1% .11>5=5 739 7HH7.23/) ' 7/ /02 (35/(;7/(13 1% 51?2 1% (/5 2?82.5 < -(// @75 5:8G24/29 ' 31/ 13) ' /1 ' /02 ;.15525/ ' (35: /5 ' 8:/ /1 ' (? ?(323/ H2.5137 ' H2.(ZK 2/ ' 31/J @(/05/739(3;' /02 (39(;37/(13 @0(40 /0(5 1:/.7;2 (5 (>2) ' /1 ' 07Q2 H.1Q1>29 (3 0(5 ?(39 ' 739 /02 %:./02.' %74/ /07/ /02 3715/ H.1?(323/ ?2?82.5 1% /02 :8 5:8521:23/) ' 8247?2 0(5 8(//2.25/ H1 (/(47 ' 1HH1323/5 ' 02 413/(3:29 /1 ' H7) ' 0(5 5:8J 54.(H/(13 /1 ' .11>5=5 /1 ' /02 4 152 1% 0(5 (%2 ' D .7M7 ' (3%1.?5 :5 ' 739 @2 ?7) ' .279( ) ' 4.29(/ /02 %74/ ' /07/ %.1?' /02 /(?2 /07/ -(// 8247?2 -.(?2 (3(5/2.' 02 .7.2) ' 4.15529 (/5 /0.2501 9 ZX 3 799/(13 /1 ' .11>5=5 ' 02 @75 7 51 ' 7/ /0(5 /(?2 ' 7 ?2?82.' 1% N 1152/.22=5 0 (3 -7 ' 7 ' 7 4 :8 4135(5/(3;' 40(2%) ' 1%)1:3;' ?23 1% 7 514(7 ' H15(/(13 41..25H139(3;' /1 ' 0(5 Q3 @02.2 02 ' 42./7(3) ' H 7)29 %.2I:23/) ' /01:;0 H.1878) ' 31/ 922H) ' N ' @2 ' .2?2?82.0 @.(/25 D(82.%1.42 ' N/02 (3/2352 27.325/3255 @0(40 02 9(5H 7)29 Q023 G1(3(3;' (3 /0152

232.7 ' 13@7) < N)' 32H02@ ' 1.9 01 ?1392 4) ' /02 873>2.' 9 ' 4 ' 075 8223 92?1(5029 ' 2 739 0(5 75514(7/2 ' (.' D(1:;08) ' 5/13 ' @23/ 27.)' /02 1/02.' 3(;0/ /1 .11>5=5 ' 82%1.2 07.25 1M 739 (/6H7/.(4>' @01 >2H/ 7 873>' /02.2 ' @2.2 41?2 X 8:/ /02) ' 5113 7..(Q29 ' 7//74>29 /02(.' .(Q7 5 ' 8.1>2 /02(.' 873>' 739 @13 781Q2 %1:.' /01:5739 H1:395 ' ^ 02.2 T=57(9 1MX ^51 501: 9 7 ' ((5:(H2.5 81 52.Q29 = 1 9(9 5/(' 82//2.' G %1.' 02 523/ %1.' 0(5 /.7925?23 ' 739 H7(9 75 %7.' 75 /02 ?132) ' @1: 9 ;1 3 /02 ?1.3(3;5 01 413/(3:25 0(5 @7.' 13 1.9 1./0 8:/ 47331/ 8.27>' 873> = '5 #' H' L"

F 1.9 747: 7)=5 (1;(R7HO(25 ' H ' !V+']' 22 H15/ ' H ' S$,

(' .7M7 =5 (5/1.(47 ' 2?1(.5 Q1 ' ((' H ' LSL ' N .' -(// @75 H.1H1529 8) ' .

1M 13 /02 +*/0 1% 28.:7.) ' 739 401523 28.:7.) ' +"/0 ' !$"!' .' -(// 413/(3:29 7 2?82.' 1% .11>5=5 :8 :H /1 /02)27.' (3 @0(40 02 9(29 < !"*# 0 > ' '

4 '>(39) ' %:.7(5029 /1 /02 7:/(1.' %.1?' /02 811>5 1% .11>5=5 :8

1932)‘ 079‘ 925H7/4029‘ /1‘ (3/2.42H/‘ (/‘ 13‘ (/5‘ Q7)‘ /1‘ :.1H2 F

81:/‘ 5(M‘ ?13/05‘ 7%/2.‘ /02‘ 47H/:.2‘ 1%‘ /‘ :5/7/(7‘ 7‘ ;7 73/‘/01:;0‘ (3924(5(Q2‘74/(13‘/11>‘H 742‘327.‘/02‘ 1;;2.‘ B 73>‘ 82/@223‘ 7‘ .(/(50‘ 37Q7‘ 5I:79.13‘ 41??73929‘ 8)‘ 9?(.7‘)92‘ -7.>2.‘739‘ 7‘ 5:H2.(1.‘ :/40‘ %1.42‘ :392.‘ 9?:B7‘C1(((//?73‘ 1‘ 07.9R%1:;0/‘@75‘/02‘23;7;2?23/‘ 739‘51‘4.(HH 29‘ 7/‘ (/5‘ 4 152‘@2.2‘/02‘50(H5‘ 1n‘ 81/0‘5(925‘ /07/‘ 9?:R7‘C1://?73‘81.2‘7@7)‘@(/0‘0(5‘5I:79.13‘/1‘/02‘ 2M2‘ @0(2‘ 9?(.7‘ -7.>2.‘ 9(557/(5%(29‘ 7 (>2‘ @(/0‘/02‘ 9?(.7/)‘ 739‘ @(/0‘ 0(5‘ 1%%(42.5‘ ?792‘/02‘825/‘1%‘0(5‘ @7)‘/1‘/02‘ 1.2‘ 2.2‘/02‘ (3;‘H7(9‘0(?‘/02‘0(;0‘ 41?H(?23/‘1%‘Q(5(/(3;‘RO(?‘13‘817.9‘0(5‘ 7;‘ 0(H‘8:/‘ 31/@(/05/739(3;‘ /0(5‘ %7//2.(3;‘ /.(8:/2‘ /1‘ 0(5‘ H2.5137‘ ?2.(/5‘02‘(35(5/29‘13‘.25(;3(3;‘0(5‘41??739‘ N‘ 3 0‘ 02‘57(9‘(3‘.2H)‘/1‘/02‘ (3;=5‘413;.7/:7/(135‘ N‘@(50‘)1:.‘ 7G25/)‘)1:3;2.‘1%%(42.5‘739‘82//2.‘50(H5‘ 5‘%1.‘?2‘ ‘7?‘;.1@3‘/11‘1 9‘%1.‘/02‘ 2.Q(42 OT

!$"* 3‘/02‘?273‘/(?2‘/02‘@7.‘82/@223‘ .27/‘ .(/7(3‘739‘ 02.‘.2Q1/29‘ 1 13(25‘079‘8223‘H.1;.255(3;‘@(/0‘Q7.(1:5 5:44255X 31/‘(3;1.(1:5)‘75‘.2;7.929‘/02‘?((/7.)‘.2H:J /7/(13‘1%‘ 3;739‘8:/‘2Q(923/)‘H.2;373/‘@G/0‘:/(?7/2‘ %7(:.2‘739K9(5;(R74e‘ 3‘/02‘!+/0‘1%‘ 7)‘!$"*‘/02‘(?J H1./73/‘4(/)‘1%‘ 07. 25/13‘5:..2392.29‘/1‘7‘ .(/(50‘%1.42‘ 1%‘%(Q2‘/01:5739‘?23‘41??73929‘8)‘(.‘23.)‘(3/13‘X :H@7.95‘1%‘%(Q2‘/01:5739‘ ?2.(4735‘13‘/07/‘14475(13‘ 7)(3;‘91@3‘/02(.‘7.?5‘739‘%1:.‘0:39.29‘H(2425‘1%‘ 473313‘/0.22‘ ?2.(473‘%.(;7/25‘739‘132‘ .2340‘%.(;7/2‘ ‘%7(3;‘(3/1‘/02‘07395‘1%‘/02‘Q(4/1.5‘ 0(5‘5:44255‘@75‘ %1 1@29‘13‘/02‘!#/0‘1%‘ :;:5/‘8)‘/02‘87//2‘1%‘ 7?923‘ (3‘@0(40‘ 1.9‘ 1.3@7(5‘7/‘/02‘0279‘1%‘/@1‘/01:5739‘ ?23‘92%27/29‘ 232.7‘ 7/25‘@9/0‘73‘7.?)‘1%‘:H@7.95‘1%‘ %1:.‘/01:5739‘ (;0/‘0:39.29‘ ?2.(4735‘%2‘ (3‘87//2X

F‘ :39)=5‘ (%2‘1%‘ 1932)‘Q1‘((‘HH‘!!‘!"‘!,
]‘ 7.‘/7301H2=5‘ (5/‘1%‘ 3;739‘Q1‘Q((‘HH‘!S*‘!S!

, ' 56) * ' *LC' ' ' L+'

3(32' 0:39.29' 739' %(%/)' @2.2' ?792' H.(5132.5' 1' 5(;37' @75' /02' Q(4/1.)' /07/' 7/25' 547.42)' 4135(92.29' 0(?52 %' 524:.2' /(' 132' 0:39(F29' 739' 3(32/)' ?(25' 52H7.7/29' 0(?' %(=1?' /02' .(/(50' 0279RI:7(R/2.5 #B @1' 97)5' 7%/2.@7.95' 7/' 7/7@87' 1.95' 1 132' 7. 2/13' 7' 8.7Q2' 739' (?H2/:1:5' 1%%(42.' 2341:3/2.29' 7' 92/74029' ?2.(473' 41.H5' 41??73929' 8)' 232.7' :?H/2.' @01?' 02' ://2.)' .1:/29'B

02' ?2.(473' 47?H7(;3' 1%' !$"*' @75' 9(5/(3;:(5029' 8)' /@1' 2H(51925' 1%' 4135(92.78 2' (3/2.25/' /02' 7.40R/.27513' 1%' 232.7' 2329(4/' .31 9' 739' /02' 07.9' %7/2' 1%' /02' 40(Q7 R' 1/' ' .1:5' 7441?H (5029' 739' (91 (629' 7G1.' 103' 39.W' 3' /02' 5/1.)' 1%' /02' H7/.(1/(5?' 739' 927/0' 1%' H11.' 39.W' /02' (3;' 7HH27.5' /1' 07Q2' /7>23' /02' ;.27/25/' (3/2.25/' 02' @2 R' >31@3' ?13:?23/' (3' D25/?(35/2.' /1' /02' ?2?1.)' 1%' 0(?<

' $$' ' % % ' ' ' V $' ' ' ' ' '

A < P@75 2.24/29' 8)' /02' (3;=5' 41??7395' 739' 7/' 0(5' 2MH2352' 1.21Q2.' /02' (3;' 31/' 13)' 41.9(7)' 5734/(1329' 7' H.1H2.' H.1Q(5(13' 82(3;' ?792' %1.' /02' ?1/02.' 739' 5(5/2.5' 1%' /02' 92H7./29' 02.1' 8:/' 8)' 7' ;.742%:' 74/' 7HH7.23/)' 1%' 0(5' 1@3' 5:;;25/(13' 23927Q1:.29' /1' @(H2' 7@7)' %.1?' 0(5' 373n2' 739' ?2?1.)' 73)' :39:2' 19(:?' @0(40' .1?' /02' 92;.79?;' ?7332.' 1%' 0(5' 927/0' @75' (>2)' /1' 7//740' /1' /02?' 3' /02' @1.95' 1%' 73' ?2.(473'@.(/2.< N 02';232.1:5' 523/(?23/5' 739' 318 2' 4139:4/' 1%' /02' (3;' 81/0' (3' .2;7.9' /1' /02' ?2?1.)' 1%' 39(RW' 739' /02' /1>235' 1%' 5:85/73/(7' >(393255' /1' 0(5' %7?( )' 4 7(?' 739' ?:5/' 2Q2.' .242(Q2' /02' 0(;025/' 7HH 7:52 0%

F' HH7.23/)' /02' 01.52' @0(40' 47..(29' 232.7' 7/25' /0.1:;0' 0(5' 13;' %(;0/' @75' /02' 513' 1%' /02' (923/(47' 407.;2.' N' H.1H2.)' 45(H7.(51349 B= @0(40' 327.)' %(Q2')27.5' H.2Q(1:5)' /02' ?2.(473' 13;.255' 079' H.2523/29' /1' D750(3;/13=5' 7(92R92R47?H' 1 132' 7) 1.' %1.' 0(5';7 73/.)' 7/' /02' 7// 2' 1%' -.(342/13' 22' ' H' !#$' # 441.9(3;' /1' /02' > , ' 7 Q ' 1%' 2H/2?82.' #' !$"*<N 232.7' 7/25=5' %(;0/' @75' .7H(9)' 413/(3:29' /0.22' 97)5' (3/1' (.;(3(7' 132' 0:39.29' 739' 3(32/)' 3((25' %.1?' /02' %(2 9' 1%' 74/(13 0' /' @75' 2%(24/19' @2' 7.2' /1 9' N :H13' 7B42 28.7/29' 01.52' /02' 513' 1%' 1 132' 7) 1.=5' ^ 27.31:;0/= 1@3' 8.1/02.' /1' 0(5' .742' 1%' (3;J 5/13=5' %7?1:5' ^ 7.2 255= H:.407529' 1%' 7' 232.7' %%(42.' 1%' /02' %(.5/' 9(5/(34/(13 0' < ' 9 ;' ' '&4) ' ' Q1 ' ((' H' L!+' 1' 3' /02' N' 74(3;' 7J 2397.' 0' %1.' !$$V' /02' :>2' 1%' (3;5/13=5' N' 7.2 255' 0' %(;:.25' 75' /02' 5(.2' 1%' ?1.2' /073' 132' .74201.52' 1%' /02' /(?2']' H7.>5=5' (%2' 1%' 2329(4/' .31 9' H' L*$

#' I S ' I ' ' " : I '$ 'J 0' *

M/.74/Y

N' (5' 7G25/)' 075' .279' @(/0' ?:40' 41342.3' /02' Q2.)' B7%%24/(3;' 37..7/(Q2' 1%' 7G1.' 39.W=5' 47H/:.2' 739' /02' %7/7'P41352J I:23425' 1%' /07/' ?(5%1./:32' .2 7/29' (3')1:.' 2//2.' 739' 0(5' 7G25/)' @75' ;.74(1:5)' H 27529' /1' 2MH.255' 0(5' 23/(.2' 7HH.187/(13' 1%')1:.' 07Q(3;' 41?H (29' @(/0' 0(5' .2I:25/' 1%' 9(5H15(3;' 1%' 0(5' 41?? (55(13' %1.' /02' 79Q73/7;2' 1%' 0(5' %7?()' 39' ' 07Q2' /02' 57/(5%74/(13' /1' 799' /07/' 0(5' 7G25/)' 075' %:./02.' 2M/23929' 0(5' .1)7' 81:3/)' /1' 7G1.' 39.W=5' ?1/02.' 0)' /02' ;.73/' 1%' 7' H235(13' 739' 075' 1%%2.29' /1' 413%2.' /02' 0131:.' 1%>3(;0/0119' 13' 0(5' 8.1/02.' (3' 1.92.' /1' @(H2' 7@7)' 7 ' 5/7(3' %.1?' /02' %7?()' /07/' /02' (;31?(3)' 1%' /02' 927/0' 02' @75' 51' :3G:5/)' H:/' /1' ?(;0/' 82' /01:;0/' /1' 07Q2' 14475(1329 O' F

3' /02' S/0' 1%' 7.40' !$"!' /02' (3;' 413%2..29' 31/' >3(;0/0119' 13)' 8:/' 7' 87.132/4)' 13' 7G1.' 39.W=5' 8.1/02.' D((7?' 2@(5' 39.W' 7/' @0152' 927/0' 13' /02' !!/0' 1%' 1Q2?82.' !"*+' /02' /(/ 2' 8247?2' 2M/(34/

!$"!' 3((' !$ 02' %(.5/' 015/(2' 2341:3/2.' @0(40' /11>' H 742' /02' %1 1@(3;')27.' :H13' ?2.(473' 51(' @75' 7/' 7' H 742' 47 29' /02' 1@H235' (3' 1:/0' 7.1(37' 82/@223' 132' /01:5739' .(/(50' 3%73/.)' 739' 7Q7.)' 41??73929' 8)' 1 132' 7.2/13' 739' 781:/' /02' 57?2' 3:?82.' 1%' ?2.(473' 2;:7.5' 739' ((/(7?23' 29' 8)' 232.7' 1.;73' (4/1.)' (3' /02' %(.5/' (35/7342' 522?29' /1' %7Q1:.' 7.2/13' 82%1.2' @0152' 4:5/1?7.)' 1352/' 1%' (?H2/:1:5' Q7 1:.' /02' ?2.(473' ((/(7' ;7Q2' @7)' 7/' 2Q2.)' H1(3/' :/' @07/2Q2.' 47:52' ?7)' 07Q2' 4073;29' /02' %1./:325' 1%' /02' 97)' /02' ?2.(4735' @2.2' 7%%1.929' /(?2' /1' .7)' 739' 7441.9(3;)' /02' ;7 73/' 7.2/13' < N/07/' 23/2.H.(5(3;' /01:;0' (30:?73')1:3;' 1%%(42.O' 75' 02' (5' 5/) 29' (3' /02' ! +' G 0' I /' 1%' /02' +!5/' 1%' %28.:7.)% < 31/' 13)' %1:39' 0(?52 %' 1Q2.H1@2.29' 8)' 5:H2.(1.' 3:?82.5' 8:/' (/' @75' @(/0' 9(%%(4:/)' /07/' 7/' /02' 0279' 1%' 7

F' H7.>5=5' (%2' 1%' 2329(4/' .31 9' H' L*"]' 11.2=5' (7.)' 1%/02' ?2((47:' 2Q1:/(1 ' Q1' ((' H' L$V

%2@' 9.7;1135' 02' 413/(9Q29' /1' 4:/' 0(5' @7)' /0.1:;0' /02'
232?)' 739' 2%%24/' 0(5' 2547H2' 3' /0(5' :3%1./:37/2' 7%%7(.'
52Q23' 0:39.29' .(//(50' 51 9(2.5' @2.2' 2(/02.' >(29' 1.' /7>23'
H.(5132.5

:/' 7 /01:;0' @(/0' /0(5' 2M42H/(13' 5:44255' 413/(3:29' %1.'
7' 4135(92.78 2' /(?2' /1' @7(/' 13' /02' .(//(50' 7.?5' 51' 2M/235(Q2'
@75' /02' 875(5' 1%' 1H2.7/(135' 51' 3:?2.1:5' 739' 51' @(92' 7H7./'
@2.2' /02' 9(%%2.23/' ?((/7.)' H15/5' @0(40' (/' @75' .2I:(5(/2' /1'
?7(3/7(3' 739' 51' ?73)' 8.7Q2' ?23' %2' (3' /02' .2H27/29' 23J
;7;2?23/5' @0(40' /11>' H 742' 75' /1' .2392.' Q(4/1.)' 7 ?15/'
H.1%(/ 255' 739' :/(?7/2' 5:44255' 7 ?15/' (?H155(8 2' 1.'
(35/7342' 7 /01:;0' 1.9' 1.3@7 (5' @(/0' 7' Q2.)' (3%2.(1.'
%1.42' 5:4422929' (3' 92%27/(3;' /02' ?2.(4735' 7/' :(9%1.9' (5'
1:./R 1:52' 739' 47H/:.(3;' %1:.' 1%' /02(.' %(2 9RH(2425' 51'
@27>2329' @75' 0(5' 5?7' 7.?)' 8)' 7' 155' 1%' %(Q2' 0:39.29'
?23' >(29' 739' @1:3929' 75' /1' 41?H2' 0(?' (35/279' 1%'
H:.5:(3;'/02' 232?)'R/1'.2/.742'0(5'5/2H5' I:7)':3H.1J
%(/78 2' H.1Q29' /1' 82' /02' 5:44255' 18/7(329' 8)' /02' .(//(50' 13'
/02' 5 1H2' 1%' 18>0>=5' (' 31@' 7' 827:/(%:' 5:?372.' H. '
5:8:.8' 1%' 7?923' @02.2' 1.9' 7@913' @(/0' 13)' 2(;0/' 1.'
3(32' 0:39.29' ?23' 7//74>29' 739' 92%27/29' 232.7' .2232'
/01:;0' (3' 41??739' 1%' /@1' /01:5739' ?2.(4735' ;7(3'
7 /01:;0' 1 132' .:;2.' /02' 3;(50' 41??73973/' 1%' /02'
(?H1./73/' H15/' 1%' (32/)' (M' ;7 73/)' .2H:529' 73' 7557:/'
?792' :H13' 0(?' 8)' .2232' 51' .29:429' (3' 3:?82.5' @2.2' /02'
.(/(50' %1.425' /07/' 1.9' 7@913' @75' 41?H2 29' /1' @(/0J
9.7@' /02' ;7..(513' 739' /1' .2/(.2' /1' .7((;28:.;0' 75/)'
7/' /02' 8.((73/' 739' @2 R413/25/29' 74/(13' 7/' @/7@' H.(3;5' 2H/' 5R
31/@(/05/739(3;' 232.7' /2@7./' %1:39' 0(?52 %' ?75/2.' 1%'
/02' %(2 9' 1%' 87// 2' /02' 155' 1%' 327.)' 52Q23' 0:39.29' ?23'
(3' >(29' @1:3929' 739' ?(55(3;' 41?H2 29' 0(?' /1' .2/.27/' /1'
07.25/13' 739' /0:5' 2378 29' 232.7' .2232' /1' .2R144:H)'
0(5' %1.?2.' H15(/(13' D2' ?(;0/' 1.9' 1.3@7 (5' 07Q2' 2MJ
4 7(?29 < 75' -)..0:5' 2M4 7(?29' 7%/2.' Q73I:(50(3;' /02' 1J
?735' 7/' 54:: ?< N 32' ?1.2' 5:40' Q(4/1.)' 739' @2' 7.2

:39132 0 D2 ' /11' ?(;0/ .' -(//' 9254.(82' /02' @7.' (3' ?2.(47' 75' N 7' 52.(25' 1%' (32(%24/(Q2' Q(4/1.(25' 1.' 52Q2.2' 92%27/5 < Q(4/1.(25' 13)' 42 28.7/29' @(/0' /2?H1.7.)' /.(:?H0' 1Q2.' 1:.' 8.2/0.23' @01?' @2' @1: 9' /.7?H 2' 91@3' 1.' 92%27/5' @0(40' %(' /02' 739' @(/0' ?1:.3(3;' %1.' /02' 155' 1%' 927.' 739' Q7 :78 2' .2 7/(135' 5 7(3' (3' /02' (?H(1:5' 47:52' 1%' 23%1.4(3;' :3J 4139(/(137' 5:8?(55(13 0F)' /0(5' /(?2' 51' @27>2329' @75' /02' .(/(50' %1.42' (3' 1:/0' 7.1 (37' 75' 31' 13;2.' /1' 82' 78 2' /1' >22H' /02' %(2 9' @0(2' 13' /02' 413/.7.)' /02' 5H(.(/5' 1%' /02' ?2.(4735' 522?29' /1' .(52' @(/0' 2740' 5:44255(Q2' 9(541?%(/:.2' :40' 1%' /0(5' :341?H 7(3(3;' 739' 2Q23' 4022.%:' 239:.7342' 1%' 9(575/2.' 739' 92%27/' 7HH27.5' /1' 07Q2' 8223' 1@(3;' /1' /02' (391?(/78 2' 232.;)' 739' 1%/)' H7/.(1/(5?' 1%' /02(.' 2792.' 232.7' .2232' 0(5' .2?7.>78 2' ?73' 7 /01:;0' 8.1:;0/' :H' /1' /02' 0:?8 2' 144:H7/(13' 1%' 7' 8 74>5?(/0' 739' 7' A:7>2.' 8)' H2.5:75(13' 522?5' /1' 07Q2' 8223' 2?(323/)' I:7 (%(29' 7 (>2' /1' @(3' /02' 413%(92342' 739' 7%%24/(13' 1%' 73' 7.?)' 739' /1' 9(5J /(3;:(50' 0(?52 %' (3' /07/' (..2;: 7.' 5)5/2?' 1%' @7.%7.2' (3' @0(40' (/' @75' 0(5' %1./:32' /1' %(39' 0(?52 %' 23;7;29' 13;' 5(342' 02' 079' 924 7.29' 0(5' .251 :/(13' 2(/02.' /1' .241Q2.' /02' 7.1 (375' 1.' 9(2' (3' /02' 7//2?H/' X 739' /01:;0' 9(541?%(/:.2' 079' %1 1@29' 9(541?%(/:.2' 0(5' 027./' 079' 32Q2.' 5:3>' @(/0(3' 0(?' 32(/02.' 079' 0(5' ;23(:5' 1.' 0(5' (3;23:(/)' 2Q2.' %7(29' 0(?' 3' /02' !5/' 1%' 7)' @2' %(39' 0(?' @.(/(3;' /1' 232.7' D 750(3;/13' < N D 2' %(;0/' X ;2/' 827/' 739' %(;0/' 7;7(3 0 79' .27/' .(/7(3' 7/' /0(5' H2.(19' 8223' ?(5/.255' 1%' /02' 1./0' ?2.(473' 739' D 25/' 39(7' @7/2.5' /02' ;.27/' 9(575/2.' @0(40' @75' (?H239(3;' 1Q2.' 02.' @1: 9' Q2.)' H.1878)' 07Q1' 8 ' 7Q2./29' D 2' 7 :92' 1%' 41:.52' /1' /02' 7HH.1740(3;' 5:..2392.' 1%' 1.9' 1.3@7 (5' 739' 0(5' 7.?)' 7/' 1.>' 1@3' 307HH( )' @0(2' /02' .(/(50' 22/' 7/' 2@' 1.>' 31@' :392.' /02' 41??739' 1%' 9?(.7' .7Q25' 7?1:3/29' 13)' /1' /@23/)R%(Q2' 57(' 1%' /02' (32' 7' .2340' % 22/' 4135(5/(3;' 1%

' ‘ H " ‘ ‘ ‘ ‘ "+V

31‘ %2@2.‘ /073‘ /0(./)R5(M‘ @75‘ .(9(3;‘ /.(:?H073/)‘ (3‘ /02‘ 0257H27>2‘ 02‘57?2‘ .2 7/(Q2‘ 9(5H.1H1./(13‘ ?7.>29‘ /02‘ .(Q7‘ ?((/7.)‘ %1.425‘ 13‘ 501.2‘ D023‘ %1.‘ (35/7342‘ /02‘ 41?8(329‘ .2340‘ 739‘ ?2.(473‘ 7.?)‘ :392.‘ /02‘ 41??739‘ 1%‘ D750(3;/13‘ 739‘ 2‘ 1407?827:‘ 41??23429‘ (/5‘ ?7.40‘ /1‘ ;(Q2‘ 87// 2‘ /1‘ /02‘ .(/(50‘ (3‘ (.;(3(7‘ (/‘ 7?1:3/29‘ /1‘ 2(;0/223‘ 1.‘ 3(32/223‘ /01:5739‘ ?23‘ @02.275‘ 1.9‘ 1.3@7 (5‘ 41:9‘ 3:?82.‘ :392.‘ 0(5‘ 41??739‘ 13)‘ 52Q23‘ /01:5739

1@7.95‘ /02‘ 2M/.2?(/)‘ 1%‘ 7‘ 37..1@‘ H23(35:7‘ @75029‘ 13‘ /02‘ 31./0‘ 5(92‘ 8)‘ /02‘ 1.>‘ (Q2.‘ 739‘ 13‘ /02‘ 51:/(‘ 5(92‘ 8)‘ /02‘ 7?25‘ (Q2.‘ %1.?2.)‘ 5/119‘ /02‘ %1:.(50(3;‘ /1@3‘ 8:/‘ (3‘ 1:.‘ /(?2‘ 7?15/‘ 9252./29‘ Q(7;2‘ 1%‘ 1.>‘ 1@3‘ 0(/02.‘ (/‘ @75‘ /07/‘ 1.9‘ 1.3@7 (5‘ 7/‘ /02‘ 7HH.1740‘ 1%‘ /02‘ %1.?(978 2‘ 7.?)‘ @0(40‘ /0.27/2329‘ 0(?‘ @(/0‘ 925/.:4/(13‘ @(/09.2@‘ @(/0‘ 0(5‘ 41?H7.7/(Q2)‘ (35(;3(%(473/‘ %1.42‘ 739‘ /02.2‘ H 74(3;‘ /02?‘ 820(39‘ /02‘ 07 %R41?H 2/29‘ 23/.2340J ?23/5‘ @0(40‘ 02‘ 079‘ 0:..(29)‘ /0.1@3‘ :H‘ 02‘ H.2H7.29‘ /1‘ 92%239‘ 0(?52 %‘ /1‘ /02‘ 75/‘ (5‘ 5(/:7/(13‘ @75‘ 7‘ Q2.)‘ H.2J 47.(1:5‘ 132‘ 3‘ 799(/(13‘ /1‘ (3%2.(1.(/)‘ 1%‘ 3:?82.5‘ 9(52752‘ @75‘ 82;(33(3;‘ /1‘ 5H.279‘ 07Q14‘ 7?13;‘ 0(5‘ ?23‘ @0(2‘ /02‘ %74/‘ /07/‘ /02‘ /@1‘ .(Q2.5‘ @0(40‘ %1@29‘ 132‘ 13‘ 2740‘ 5(92‘ 1%‘ 0(?‘ @2.2‘ (3‘ 41??739‘ 1%‘ /02‘ 232?)=5‘ @7.RQ2552 5‘ .2392.29‘ /02‘ (3Q25/?23/‘ 1%‘ 0(5‘H15(/(13‘ 8)‘ /02‘ 232?)‘ 7‘ @1.>‘ 1%‘ 41?H7.7/(Q2)‘ 275)‘ 7441?H (50?23/‘ 1.9‘ 1.3J @7 (5‘ @75‘ 42./7(3)‘ 31/‘ 7‘ ?((/7.)‘ 41??7392.‘ H155255(3;‘ /02‘ 0(;025/‘ 1.92.‘ 1.‘ ;23(:5% 8:/‘ 13‘ /02‘ 1/02.‘ 0739‘ 02‘ @75‘ 73‘ 78 2‘ 51 9(2.‘ 739‘ 7‘ ?73‘ 1%‘ 7‘ 0(;0‘ 739‘ 318 2‘ .251J :/(13‘ 739‘ 41352I:23/)‘ (3‘ /02‘ 3 ??0‘ 3? & @2‘ && & ‘ /02‘ 0131:.‘ 1%‘ 0(5‘ 41:3/.)‘ 739‘ /02‘ 57%2/)‘ 1%‘ 0(5‘ /.11H5‘ A @&$‘ 2AB A?&C‘ 07Q2‘ D??0‘ A 0 $?$‘ ‘ E ?‘ @0?FA?3 0BD&?‘ 07395‘

3‘ /(2‘ ?273‘ /(?2‘H.247.(1:5‘ 75‘ @75‘ /02‘ H15(/(13‘ 1%‘ 1.3J @7 (5‘ 739‘ 1%‘ 0(5‘ ;7 73/‘ %1 1@2.5‘ /02(.‘ 5H(./5‘ 079‘ 75‘)2/‘ 8223‘ 5:HH1./29‘ 8)‘ /02‘ 01H2‘ 1%‘ .242(Q(3;‘ 7.;2‘ .2(3%1.42?23/5‘ %.1?‘ 2@‘ 1.>‘ /02‘ 7..(Q7‘ 1%‘ @0(40‘ @75‘ 01:.)‘ 2MH24/29_

3 /0 i /0 1% 2H/2?82. 1.3@7 (5 079 @.(//23 /1 0(5 5:H2.(1. 1%%(42. (. 23.) (3/13 .2H.2523/(3;0(5 H.2J 47.(1:5 H15(/(13 739 (3 .2H) 079 .242(Q29 /02 ?15/ 4022.(3; 755:.73425 1% H.1?H/ 755(5/7342 N / 7 ?22/(3; 0 (3/13 @.1/2 074> N 1% /02 232.7 739 7; %%(42.5 02 9 /0(5 97) (/ (5 92/2.?(329 /07/ 781Q2 V ***? 23 .73> 739 %(2 507 82 2?87.>29 13 817.9 /02 (3;=5 50(H5 739 /02 G1(3/ 2M2./(135 1% /02 7.?) 739 37Q) ?792 (3 7 %2@ 97)5 /1 .2 (2Q2)1: 739 7%/2.@7.95 41R1H2.7/2 @(/0)1: 02 % 22/ 4135(5/5 1%/@23/)R/0.22 57(1% /02 (32 /0.22 1% @0(40 7.2 /0.22R924>2.5 02.2 (5 2Q2.) .27513 /1 01H2 @2 5/7./ %.1?02342 /02 V/0 1% 4/182. OF :/ /02 V/0 1% 4/182. U739 ?73) 5:44229(3;97)5 47?2 739 @#3/ 739)2/ 31 5(;3 1% 7 %.(239) 7.?7?23/ ?7>(3; (/5 7HH27.7342 13 /02 @7/2.5 ; 799232 /02 027./5 1% 1.3@7 (5 739 0(5 ;7 73/ /.11H5 273@0(2 /02(. H15(/(13 079 8241?2 ?1.2 739 ?1.2 H2.(1:5 (52752 @75 .7H(9)/0(33(3;/02(. .73>5 ED750(3;/13 079 5:4422929 (3 18/7(3(3;H155255(13 1% 51?2 79Q73/7;21:5 ;.1:39 41??739(3;/02 .(/(50 @1.>5 3 /02 !5/ 1% 4/182. /02 (3Q25/?23/ 1% 1.> 1@3 @75 .2H1./29 /1 82 41?H 2/2

D750(3;/13 079 31@ 275) @1.> 82%1.2 0(? 3 /02 ,/0 /02 41?H 2/(13 1% 0(5 %(.5/ H7.7 2 2378 29 0(?/1 1H23 7 9279) %(.2 %(B1? ?1./7.5 739 01@(/62.5 Y3 /02 !S/0 02 U@75 %7. 79Q73429 (3 0(5 524139 H7.7 2 N /0(3> 0 @.(/25 D750(3;/13 /1 /02 -.25(923/ 1% 13;.255 13 /02 !#/0 N /02 87//2.(25 1% /02 524139 H7.7 2 @(82 (3 5:%%(4(23/ %1.@7.9R 3255 /1 82;(3 /1 H 7)(3 /02 41:.52 1% /0(5 97) 02 232?) 75/ 3(;0/ ?792 7 51./(2 %1./02 %(.5/ /(?2 02) 23/2.29 132 1% /02 .2340 739 132 1% /02 ?2.(473 87//2.(25 13 /02 524139 H7.7 2 @0(40 @2.2 :3%(3(5029 02) 079 13) /(?2 /1 /0.:5/ /02 H1(3/5 1% /02(. 87)132/5 (3/1 /02 /1:40R01 25 1% %1:.H(2425 1%/02 .2340 739 /@1 1%/02 ?2.(473 7./(2.) 739 8.27> /02?1%% 8:/ /02 5H(>25 @2.2 275() 2M/.74/29

02)' @2.2' .2H: 529'/02' ?1?23f/02'5:HH1./(3;'/.11H5'47?2' :H' 27Q(3;'820(39'/02?'52Q23'1.' 2(;0f' 9279' 739'5(M'H.(J 5132.5 0'F' ' ?1.2'5:44255%:' 51./(2' B01@2Q2.' @75' ?792' 7' (// 2' 82%1.2' 97)8.27>' 13'/02'%1 1@(3;' 97)' @023'/02' .(/(50'%1.429'/02'.291:8/5'/07f'41Q2.29'/02'87//2.(25'5H(>29' 2 2Q23'027Q)'473313' 739' 7%/2.' 07Q(3;' >(29' 1.' @1:3929' 781:f' 132' 0:39(R29' .2340' 51 9(2.5' .2;7(329' /02(.' (325' @(/0' (// 2' 155'%' :/'8)'/0(5'/(?2'132' 0:39.29'H(2425'1%' 027Q)' 1.937342' @2.2' H 7)(3;' %.1?' /02' 87//2.(25' 1%' /02' (25' @0(2' 7 13;'/02' .(/(50'@1.>5'547.42)'7' .(/(50';:3' .2?7(329' ?1:3/29' 02'5/1.?'1%'501f'739'502' @75'(3425J 573/' Q23'/02'027.f'1%'/02'318 2' 1.3@7 (5'82;73'/1'%7('0(?' 3%(7929'7f'2Q2.)'H1(3/'0(5'502 5'327.)'2MH23929' 0(5'92%23425'07 %'92?1(5029'739'/:?8(3;'/1'H(2425'/02.2'.2J ?7(329'31'01H2'1%'0(5'57Q(3;'0(5'7.?)'%.1?'925/.:4/(13'8:f' 8)'@(/09.7@(3;'/02?'74.155'/02' 1(F>' (Q2.'/1' 1:425/2.' -1(3/'@02.2'02'079'H.2Q(1:5)'079'/02'H.247:/(13'/1'/0.1@' :H'.291:8/5'739'(3/.2340?23/5' N' '079'13)0'02'@.(/25'/1' (.' 23.)' (3/13' N'/1' 401152'82/@223'H.2H7.(3;'/1' 5:(#P .2392.'32M/F97)'1.'23927Q1:.(3;'/1';2f'1%%@(/0'/02';.27/25f' H7./f'1%'/02'/.11H5'739' '92/2.?(329'/1'7//2?Hf'/02' 7//2.0' :/'8)'/0(5'/(?2'/02' 2 2?23/5' 079' 27;:29'/02?52 Q25' 13'/02'5(92'1%'/02'232?(25'1%' 3;739' ' H7.f'1%'/02' 7.?)'079'8223'57%2)'473(29'1Q2.'/1'/02'1/02.'5(92'1%'/02' .(Q2.'@023'/02.2'7.152'51'Q(1 23f'7'5/1.?'1%'@(39'7.(9'.7(3' 75'2%%24/:7)'/1'H.2Q23f'/02'2?87.>7/(13'1%'/02' .2?7(392.' 02'@1.9'5:..2392.'@75'7'8(//2.'132'/1'H755'/02' (H5'1%'/02' 0(;0R5H(./(29' 739' 318 2R?(3929' 1.3@7 (5'8:f' 31'1/02.' 7/2.37/(Q2' .2?7(329'/1'0(?' 441.9(3;)'13'/02' !$/0'02' 925H7/4029'7'%7;'1%'/.:42'/1' 232.7'D750(3;/13'79?(//(3;' /07f'0(5'HH5f'@75'31' 13;2.'/2378 2'739'H.1H15(3;'7' 42557J /(13'1%015/((/(25' 02'74/:7'5:..2392.'1%'/02' .(/(50' .?)' /11>'H742'13'/02'!,/0X'/02';7..(5135'81/0'1%' 1.>' 1@3

739‘ 1:425/2.‘ -1(3/‘82(3;‘7 1@29‘/1‘?7.40‘1:/‘8)‘827/‘1(‘ 9.:?‘8:/‘@(/0‘/02(.‘R41 1:.5‘ #‘ 1.21Q2.‘1.92.5‘@2.2‘ (55:29‘8)‘D750(3;/13‘/07/‘9:.(3;‘/02‘H7(3%:‘42.2?13(7‘ 1%‘/02‘ .(/(50‘7)(3;‘91@3‘/02(.‘7.?5‘31‘ ?2.(473‘1.‘ .2340‘ 51 9(2.‘501:9‘(39:;2‘(3‘73)‘5(;3‘1%‘2M:/7/(13‘ 1/‘7‘ 5(3;2‘47?HR%1 1@2.‘@75‘7 1@29‘/1‘@(/3255‘/02‘0:?((7/(13‘ 1%‘/02‘ .(/(50‘7.?5‘ 3%1./:37/2)‘/0(5‘4135(92.7/(13‘%1.‘ /02(.‘%22 (3;5‘@75‘(‘.25H13929‘/1‘8)‘/02‘ .(/(50‘1%%(42.5‘ @01‘75‘/02)‘?7.4029‘82/@223‘/02‘ .2340‘739‘ ?2.(473‘ (325‘41:./21:5)‘57 :/29‘2Q2.)‘ .2340‘1%%(42.‘01@2Q2.‘(3%2J .(1.‘0(5‘.73>‘@0(2‘/02)‘H1(3/29)‘.2%(B7(329‘%.1?‘/7>(3;‘ 73)‘31/(42‘1%‘/02‘ ?2.(473‘1%%(42.5‘01@2Q2.‘0(;0‘/02(.‘ ;.792‘(

/‘/02‘/(?2‘1%‘/02‘47H(/:7/(13‘1%‘ 1.>‘ 1@3‘/02‘ .(/(50‘7.?)‘079‘8223‘.29:429‘8)‘9(52752‘739‘/02‘ 475:7/(25‘1%@7.‘/1‘ 255‘/073‘5(M‘/01:5739‘?23‘1%‘@01?‘ 13)‘%1:.‘/01:5739‘739‘52Q23/223‘@2.2‘.2H1./29‘%(/‘%1.‘9:/)‘ 0(5‘;.27/‘(3%2.(1./)‘1%‘%1.42‘75‘41?H7.29‘@(/0‘/07/‘1%‘/02‘ 232?)‘7/01:;0‘(/‘9(?(3(5029‘/02‘9(54.29(/‘1%‘/02‘5?R.2392.‘ (3‘31‘92;.22‘78.(9;29‘/02‘?7;3(/:92‘1%‘/02‘9(575/2.‘D(/0‘ .2%2.2342‘/1‘/02‘:3%1./:37/2‘92 7)‘@0(40‘/11>‘H742‘(3‘ 925H7/40(3;‘.2(3%1.42?23/5‘%.1?‘2@‘ 1.>‘31‘8 7?2‘ 7HH27.5‘/1‘7//740‘(/52%/1‘(.‘23.)‘(3/13‘N D 2‘079‘/02‘ ?(5%1./:32 0‘02‘@.(/25‘N‘/1‘522‘7?15/‘2Q2.)‘5:44229(3;‘ 97)‘H.19:42‘51?2‘37Q7‘185/.:4/(13‘1.‘1/02.‘/1‘H.1/.74/‘1:.

F‘ 7.‘ /7301H2=5‘ (5/‘1%‘ 3;739Q1‘Q((‘H‘!"!‘N 81:/‘132‘1=4 14>‘/01‘ 7./(4 25‘1%47H(/:7/(13‘@2.2‘5(;329‘739‘(3/2.4073;29‘739‘781:/‘@1‘1=4 14>‘H ?‘/01‘ B .(/(50‘;7..(513‘.% 1.>‘29‘8)‘ 232.7‘ = 7.7< 1.9‘ 13(@7 (5‘82(3;‘ ‘ <P:.2.2 4139:4/29‘8)‘ 232.7‘ (341 3‘/0.1:;0‘/01‘41?8(329‘7..7)‘9.7@3‘:H‘(3‘/@1‘ (325‘/1‘7‘%(2 9‘@02.2‘07Q(3;‘;.1:3929‘/02(.‘7.?5‘739‘5/.(HH29‘1%%‘/02(.‘7441:/.2J ?23/5‘/02)‘@2.2‘.24139:4/29‘/0.1:;0‘/02‘ (325‘739‘41?(//29‘/1‘/02‘47.2‘1%‘7‘ ;:7.9‘ /‘/02‘57?2‘/(?2‘739‘(3‘/02‘57?2‘?7332.‘/02‘;7..(513‘1%‘ 1:425/2.‘@75‘ 5:..2392.29‘/1‘/02‘41?739‘1%‘/02‘ :>2‘92‘ 7:6:3‘ -.2Q(1:5‘/1‘/0(5‘7‘92/740J ?23/‘1%‘.2340‘739‘132‘1%‘ ?2.(473‘/.11H5‘/11>‘H155255(13‘1%‘/02‘ .(/(50‘01?R‘ @1.>5‘739‘H 73/29‘13‘/01‘B2H7:2?23/5‘/02‘5/7397.95‘1%‘/02‘/@1‘37/(135 0‘ ! "‘ _ *‘? ‘ ‘ ! 45‘!+‘!$"!‘X‘< ‘9 ,‘ ‘ ‘&4) ‘? ‘ Q1‘((‘H‘#*"‘ 232.7‘ (341 3‘@01‘13‘/0(5‘14475(13‘4139:4/29‘/02‘ .(/(50‘/.11H5‘ /0.1:;0‘/02‘ .2340‘739‘ ?2.(473‘(325‘@75‘/02‘1%%(42.‘@01‘41?‘?73929‘/02‘;7..(513‘ 1%‘ 07.25/13‘13‘(/5‘5:..2392.‘/1‘ (.‘ 23.)‘ (3/13‘13‘/01‘!+/0‘1%‘ 7)‘!$"*

92H7./:.2'X 739' ' 7?' 51..)' /1' 799' /07/' (/' @75' /02' 7%/2.3113'
1%' /02' !,/0' 82%1.2' /02' % 22/' @75' %7(.)' 7/' 527 0' -.1Q1>(3;'
(39229' (5' /02' .2% 24/(13' /07/' 7/' /02' /(?2' @023' /02' .(/(50'
% 22/ < 47..)(3;' 13' 817.9' 1%' (/' 73' 7.?)' 1%' 2(;0/' /01:5739'
/.11H5 < P?792 (/5' 7HH27.7342' 1%%' /02' 0257H27>2' 13)' %(Q2'
97)5' 079' 2 7H529' 5(342' /02' .(/(50' 7.?)' 079' 7(9' 91@3' (/5'
7.?5 F' :/' @012Q2.' 1.' @07/2Q2.' ?7)' 07Q2' 8223' /02'
14475(135' 1%' /02' 027./8:.3(3;5' 739' .24.(?(37/(135' @0(40'
@2.2' /02' 37/:.7' 41352I:23425' 1%' /02' 5:..2392.' 7/' 1.>'
1@3' /07/' 2Q23/' 079' 7/' 275/' /02' 925(.78 2' 2%%24/' 1%' 8.(3;J
(3;' 327.2.' /1' 7' 4 152' /07/' %(=7/.(4(97' 739' ?(52.78 2' 413/25/'
@0(40' .27/' .(/7(3' 079' 51' 13;' 739' 51' :3H.1%(/78)' 8223'
@7;(3;' @(/0' 02.' .2Q1 /29' 1 13(25' N' 02' (3%73/' 2.4:25'
(3' 0(5' 4.79 2 0' @(9/25' .73> (3' N' 075' 31@' 5/.73; 29' 0(5' 524139'
52.H23/ 0' %' (B1?' /02' 97)' 13' @0(40' D 750(3;/13' 739' 1?R'
D7 (5' 5(;329' /02' 7./(4 25' 1%' 47H(/:7/(13' 3/' 1.>' 1@3' /02'
@7.' ?7)' 82' 57(9' /1' 07Q2' 8223' 7/' 73' 239' 739' /02' ?2.(4735'
/1' 07Q2' 25/78 (5029' /02?52 Q25' 75' 7' 1Q2.2(;3' 739' 392H23J
923/' -21H 2

U' 7.' /7301H2=5' (5/' 1%' 3; 739' Q1 ' Q((' H' !L+'
/' D750(3;/13=5' (%2' 739' D.(/(3;5' 0)' H7.>5' Q1 ' Q(((' H' !",

- ’ &&&

E %%24/ (3’ 3; 739’ 1%’ /02’ 32@5’ 1%’ 1.9’ 1.3@7 (5=5’ :..2392.< 1.9’ 1./0=5’ (5J /.74/(13< 02’ (3;=5’ I:73(?(/)< 287/25’(3’-7.(7?23/< (2.42’ 3Q24/(Q25’ 1%’ 07.25’ 1M< 1.9’ 1./0=5’ 2%2342< H224025’ 1%’ :.>2’ 739’-(//’(3’ HH15(J /(13< 7G1.(/)’ %1.’ (3(5/2.5< 24.275(3;T’3:?82.5’1%’/02’ (3(5/2.(7’ 7G1.(/)’ (3’/02’ 1:52’1%’ 1??135< 1M=5’?1/(13’1%’ 2((5:.2’13’ 1.9’ 739@(40’ (.5/’ 1.9’1%’/02’ 9?(.7/)< 2/(.2??23/’1%’ 1.9’ 21.;2’ 2337(:2’%.1?’/02’ (3(5/.)’ < %%2342’;(Q23’8)’0(5’ 2Q7/(13’/1’/02’-22.7;2< 7G1.(/)’1%’ ’ %1.’ (3(5/2.5’ 13’ 232.7’ 13@7)a’ 1/(13’/1’ /1H’/02’ D7.< :44255(13’1%’ //74>5’13’/02’ 1Q2.3?23/< MY.9’ 1./0=5’ H2240’13’(3/(?7/(3;’/02’ 25(;37/(13’1%’ (3(5/2.5<’ (5/.255’1%’/02’ (3;’B@01’413/2?H 7/25’.2/(.(3;’/1’ 731Q2.< 02’ 14>(3;(7?’ 739’ 02 8(:32’ 9?(3(5/.7/(13’<’ 02’ (3;=5’ H7./(3;’ 2//2.5’ /1’ /02’ 7.’ 1%= 7./?1:/0’739’ 1.9’ 1./0<-2.5137’ %%24/(13’1%’/02’ (3;’%1.’ 1.9’ 1./0

2 ’ :397)’/02’+V/0’1%’ 1Q2?82.’ !$"!’/@1’97)5’82%1.2’ /02’.2R7552?8(3;’1%’-7.(7?23/’/02’ 925H7/40’413/7(3(3;’ /02’ 32@5’1%’/02’/2.(=(8 2’47 7?(/)’@0(40’079’82%7 23’/02’ .(/(50’7.?5’7..(Q29’7/’/02’H.(Q7/2’.25(92342’1%’/02’ 24.2J /7.)’1%’ /j/2’%1.’ ?2.(473’7%7(.5’ 1.9P 21.;2’ 2.?7(32’ (3’-7’ 7’ 1.9’ 21.;2’07Q(3;’(3’/02’%(.5/’(35/7342’ %1.@7.929’/02’925H7/40’/1’/02’ (3;’7/’ 2@’H.1422929’/1’ 1@3(3;’ /.22/’(3’1.92.’H2.5137)’/1’8.27>’/02’9(5/.255J (3;’(3/2 (;2342’/1’ 1.9’ 1./0’ H7/02/(4’75’/07/’5/1(47’ (3(5/2.’079’501R@3’0(?52%13’3(73)’H.2Q(1:5’14475(135’1/’ 37/(137’HP.(’/02’8 1@’@0(40’31@’%2 ’:H13’0(?’41?H 2/2)’ 5/7;;2.29’0(5’H0(151H0)’ 47.42)’41:9’/02’H7(3%:’.2J % 24/(13’07Q2’%7(29’/1’144:.’/1’0(?’31/’13)’01@’74/(Q2’ 079’8223’/02’H7./’@0(40’02’079’/7>23’(3’H.1 13;(3;’739’ 4139:4/(3;’/1’7’ ?15/’0:?((7/(3;’4 152’7’9(575/.1:5’739’ (32%%24/:7’413/25/’8:/’/07/’ 7//2.)’/02’H7./’@0(40’02’079’ /7>23’079’8223’(3’9(.24/’1HH15(/(13’/1’0(5’1@3’48354(23/(1:5

413Q(4/(135' N' ' 75>29' 1.9' 21.;2' 7%/2.@7.95 0' @.(/25'
D.7M7 ' N' 1@' 2' s 1.9' 1./0Z' /11>' /02' 41? ? :3(47/(13'
@023' ?792' /1' 0(?c < ^ 5' 2' @1: 9' 7Q2' /7>23' 7' 8: 2/'
/ :B1:; ' (5' 8.275/ ± .2H (29' 1.9' 21.;2X' ^%1.' 2' 1H2329'
(5' 7.?5' 2M4 7(?(3;'@(9)' 75' 2' H7429' :H' 739' 91@3' /02'
7H7./?23/' 7' %2@' ?(3:/25 < ^ ' 19' ' (/' (5' 7 ' 1Q2.' ' =< ' '
@1.95' @ (4 ' 2B .2H27/29' ?73)' /(?25' K:392.' 2?1/(135' 1%'/02'
;.27/25/' 4135/2.37/(13' 739' 9(5/.255 0 F

21.;2' /02' :B9' 13' /02' 413/.7.)' 922H)' 75' /02' /(9(3;5'
1%' 1.9' 1.3@7 (5=5' 5?=.2392.' ?:5/' 7Q2' 9(5/.25529' (?'
413/(3:29' /1' 9(5H 7)' /07/' 2I:73(?(/)' 739' :?8 2' .25(;J
37/(13' /1'/(2' @(' 1%' 27Q23' @ (4 ' @2.2' (5' 32Q2.' %7((3;'
4 7.74/2.(5/(45' (3'/ 2' 1:.' 1%' 7%% (4/(13' 3%7/:7/29' 75' 2'
?7)' 7Q2' 8223' 13'/ 2' 5:8G24/' 1%' .2/7(3(3;'/ 2' ?2.(473'
1 13(25' 75' 7HH737;25' 1%'/ 2' .(/(50' .1@3 < :3%1./:37/2' 75'
?7)' 7Q2' 8223' (5' H2.5(5/23/' 7//2?H/' /1' 18/7(3' /07/' 18G24/'
7/' /02' H1(3/' 1%'/02' 87)132/ < 02' 79' 7/' 275/' /02' 57/(5%74/(13'
1%' >31@(3;' /07/' 0(5' (3/23/(135' 079' 8223' 01325/' 739' /07/'
02' 079' 82;3' 74/:7/29' 8)' 31' 1/02.' ?1/(Q25' /073' 7' 925(.2'
/1' 7Q2./' 7' 4135:??7/(13' @0(40' (3' 41??13' @(/0' 3:?82.5'
1%' @(52' 739' /0(3>(3;' ?23' 2' 92Q1:/)' 82 (2Q29' /1' 82'
%.7:;0/' @(/0' 9(5;.742' /1' (5' .1@3' 739' (3;91?' @(/0'
%:/:.2' 9(541.9' 739' 23?(/(25' 7?13;' /02' ?2.(4735' /02?J
52 Q25' 739' (3' 2Q2.)' @7)' 79Q2.52'/1'/02' (3/2.25/5' 739' @2 %7.2'
1%' (5' 5:8G24/5' 13' 2740' 5(92' 1%'/02' /73/(4' Q23' 1.9'
02 8:.32' (// 2' 1Q2' 75' 2' H2(B5137)' 81.2' (5' 1Q2.2(;3'
79' /02' ;232.15(/)' (3' (5' 527/' (3'/02' 1:52' 1%' 1.95' /1'
5H27>' 1%'/02' (3;=5' ?1/(Q25' 75' /0152' 1%' N' 7' -.(342' 1%' 7'
Q7 1.1:5' 739' ;232.1:5' ?(39' ;7/02.(3;' %(.?325P' %.1?' ?(5J
%1./:32 OT

3' /02' 97)' 13' @0(40' /02' 925H7/40' 7331:34(3;' /02'
5:..2392.' 1%' /02' .(/(50' 7.?)' 7/' 1.>' 1@3' @75' .242(Q29'
8)' /02' 1Q2.3?23/' (.' 7/073(2' D.7M7 ' 07HH2329' /1' 82

F' D.7M7 =5' (5/1.(47' 2?1(.5' Q1 '((' HH' SLS < V' L.' 9(/(13'
/' -7./' (5/' Q1 ' MM((' 41 ' SS

(3(3;' @(/ (' 1.9' 21.;2' 2.?7(32' (3' -7 ' 7 ' @023' 02' 739' 0(5' %2 1@R(;:25/5' @2.2' %1.' /02' %(.5/' /(?2' (3%1.?29' 1%' /02' ;.27/' 47 7?(/)' @0(40' 079' 82%7 23' /02' 41:3/.)' 02' 413Q2.57/(13' 40734(3;' /1' /:.3' :H13' /02' 01:.)R2MH24/29' 32@5' 1%' /02' 9(551 :/(13' 1%' /02' -.(?2' (3(5/2.' 1%' .7342' /02' ' 1:3/' 92' 7:.2H75' @01' 079' 8223' ;.27/)'(35/.:?23/7' (3' H.2Q7((3;' :H13' 0(5' 41:3/.)?23'/1'/7>2' 73' 74/(Q2' H7./' (3' /02' 413/25/' 82/@223' .27/' .(/7(3' 739' ?2.(47' (/' @75' .2?7.>29' 8)' 132' 1%' /02' ;:25/5' /07/' 75' 2' 7:.2H75' 079' @(/325529' /02' 41??2342?23/' 1%' /02' ?2.(473' 2Q1 :/(13' (/' @1:9' H.1878)' ;.(2Q2' 0(?' 31/' /1' 5:.Q(Q2' (/5' /2.?(37/(13' N' 2' 075' 5:.Q(Q29' /1' @(/3255' (/' 41?H 2/2)' X O' .2H (29' 1.9' 21.;2' ' N /02' 7.?)' 075' 5:..2392.29 B' 02' 7.?)' 075' 5:.J .2392.29' 739')1:' ?7)' H2.:52' /02' H7./(4:7.5' 1%' /02' 47H(J /:7/(13' (3' /07/' H7H2.O' 2' /023 '' @(/0' Q(5(8 2' 2?1/(13' 402@' %1./0' /02' 1.(;(37' 925H7/40' 7331:34(3;' /02' 9(575/2.' 739' 073929' (/' /1' D.7M7 ' /1' .279' 7 1:9' /1' /02' 41?H73) F' /' @75' (3' /02' 41:.52' 1%' /02' 2Q23(3;' /07/' /02' (3;=5' .2H)' /1' /02' H7(3%:' 41??:3(47/(13' @0(40' 079' 8223' 925H7/4029' /1' 0(?' @75' .242(Q29' 8)' 1.9' 21.;2' 2.?7(32' /' @75' @.(//23' (3' 0(5' 7G25/)=5' :5:7)' 81 9' 739B5/279)' 407.74/2.5' 739')2/' /1' /02' H.74/(529' 2)2F' 1%' 1.9' 21.;2' (/' 7%%1.929' (3/2.37' 2Q(92342' /07/' /02' (3;=5' ?(39' @75' (' 7/' 2752' /' @75' /02' (3;=5' H.74/(42' (3' 0(5' 41..25H1392342' @(/0' 0(5' (3(5/2.5' 75' @(' 07Q2' 8223' .2?7.>29' (3' /0252' H7;25' /1' 7%%(M' /1' 0(5' 31/25' /02' 2M74/' 01:.' 739' ?(3:/2' 7/' @0(40' /02)' @2.2' 925H7/4029' %.1?' /02' H7 742' 8:/' 13' /0(5' /.)(3;' 14475(13' /02.2' @75' 7' 5(;3(%(473/' 92H7./:.2' %(B1?' /0(5' 7 ?15/' (3Q7.(78 2' .: 2' 5' .2;7.95' /02' 523/(?23/5' 413/7(329' (3' /02' 31/2' /02)' .2% 24/29' 7441.9(3;' /1' 1.9' 21.;2' /02' 0(;025/

F' D.7M7 =5' (5/' 2?1(.5' Q1 ' ((' HH' SL# < "' L.9' 9(/(13' 1.742' D7 H1 2' @.(/25' /1' (.' 1.742' 733' 1Q' +,' X< N 02)' 57)' /07/' ' 91' 7:.2H75' @01' (5' 9)(3;' 82(3;' /1 9' /07/' /02' :2' 92' 7:6:3' 079' 8.1:;0/' /02' 32@5' 1%' 1.9' 1.3@7 (5=5' 5:32392.' 57(9 <%.1?' 74(32=5' ^ (/0.(97/2 ± ' /0(3> <

^ 25' 92.3(2.5' .2;7.95' 13/' Q:' %:(.' 25' 1?7(35 ±O'
- ' 0 ' Q1 ' Q(((' H' !+*

(131:.' 13' N' ((5' 7G25/)=5' %1./(/:92' %(.?3255' 739' 4135/734)' 1%' 407.74/2.0

3' :2597)' /02' +$/0' 1%' 1Q2?82.' /02' (3;' 1H2329' /02' 255(13' 1%' -7.(7?23/' @(/0' /02' :5:7' 5H2240' %(=1?' /02' /0.132' 2/7(3(3;' 7' %(.?' 413%(92342' 02' 57(9' (3' /02' @(591?' 739' H.1/24/(13' 1%' (Q(32' -.1Q(92342' 739' %(.?)' 413Q(3429' 1%' /02' G:5/(42' 1%' 0(5' 47:52' 02' 079' 31' 91:8/' 8:/' /07/' N' 8)' /02' 4134:(2342' 739' 5:HH1./' 1%' -7.(7?23/' 8)' /02' Q7 1:.' 1%' 0(5' % 22/5' 739' 7.?(25' 739' 8)' 7' Q(;1.1:5' 73(?7/29' 739' :3(/29' 2M2./(13' 1%' /02' %74:/(25' 739' .251:.425' 1%' 0(5' H21H 2 0' 02' 501(99' 82' 78 2' /1' .25/1.2' /02' 8 255(3;5' 1%' H2742' /1' 0(5' 91??(135'%' :40' 73;:7;2' 75' /0(5' 82/.7)(3;' 7HH7J .23/)' /02' .251:/(13' 1%' /02' (3;' 739' 0(5' ?(3(5/2.5' /1' H.1J 13;' /02' :301)' 739' 9(575/.1:5' @7.' 74.155' B/02' /73/(4' 37/:.7)' H.1Q1>29' Q2.)' 52Q2.2' 73(?79Q2.5(135' %(B1?' /02' HH15(/(13' (3' 81/0' 1:525' 1%' -7.(7?23/' 3' /02' HH2.' 1:52' 1.9' 02 8:.32' 027929' /02' 7//74>' 13' /02' 1Q2.3J ?23/X' @0(2' (3' /02' 1??135' 1M' 739' :.>2' 0:(B 29' /02(.' 923:34(7/(135' 7;7(35/' 1.9' 1./0' 739' 0(5' 41 27;:25' (3' 73;:7;2' 1%' .7.2' 2 1I:2342' 739' ?15/' :35H7.(3;' (3Q24/(Q2' /' 079' 8223' /02' ;232.7' 1H(3(13' 2M4 7(?29' 1M' /07/' /02

F' D.7M7 =5' (5/' 2?1(.5' Q1' ((' HH' SL$' SL,' (.' 23.)' (3/13=5' 1.(;(37' 925H7/40' 7331:34(3;' /02' 5:..2392.' 1%' 1.9' 1.3@7 (5=5' .?)' 97/29' +,/0' 4/182.' !$"!' 1' !SV' (5' (391.529' 75' 07Q(3;' 8223' .242(Q29' (3' 1@3(3;' /.22/' N+V' 1J Q2?82.' ' 4 [' Q(6' 51?2' 01:.5' /02' 413Q2.57/(13' @0(40' 7441.9(3;' /1' KD.7M7' /11>' H 742' 7/' 1.9' 21.;2' 2.?7(32=5' /78 2' `E 4')' 4 #Z' .1?' /0(5' 4(.4:?5/7342' 75' @2' 75' %.1?' /02' %74/' 1%' (.' 23.)' (3/13=5' 925H7/40' 413J /7(3(3;' 31' N' H7./(4: 7.50' 1%' /02' 47H(/:7/(13' (/' 075' 8223' 4134:929' /07/' (.' 7/07J 3(2=5' 5/7/2?23/' ?:5/' 82' N' 23/(.2)' %7 52 0' 4 ' #' Q1' (' H' !+,' # 02' N H7H2.0 01@2Q2.' @0(40' D.7M7' .279' 7 1:9' @75' 2Q(923/)' 31/' (.' 23.)' (3/13=5' 925H7/40' 31.' (3/23929' 8)' D.7M7' /1' 413Q2)' /02' (?H.255(13' /07/' (/' @75' 8:/' /02' .2340' 7441:3/' 1%' /02' 5:..2392.' @0(40' 75' ?7)' 82' 5223' 8)' .2%2..(3;' /1' /02' 13913' 32@5H7H2.5' 1%' 1397)' /02' +#/0' 1%' 1Q2?82.' @75' .242(Q29' 7/' /02' 24.2/7.)' 1%' /7/2=5' 1%%(42' (3' /02' ' 1%' /02' H.2429(3;' 97)' 739' @0(40' 413/7(329' ?:40' %:2.' H7./(4: 7.5' 1%' /02' 9(575/2.' /073' /02' 3;(50' 1%%(4(7' 7441:3/' - = Y' I # < 4 ' Q1' (((' H' SLL' D0232Q2.' D.7M7' @.(/25' 1%' @07/' 01' 0(?52' %' 74/:7)' 57@' 1.' 827.9' /02.2' 522?5' (// 2' .27513' 75' %7.' 75' @2' 7.2' 78 2' /1' G:9;2' %1.' I:25/(13J (3;' 0(5' /.:/0%:3255' 01@2Q2.' 4.29:1:5' 02' ?7)' 7/' /(?25' 07Q2' 8223' (3' 7442H/(3;' 75' %74/5' /02' 5/7/2?23/5' 1%' 1/02.5

]' -7.(' (5/' Q1' MM((' 41' #L$

5H2240 (.1? /02 /0.132 @1: 9 07Q2 (3Q(/29 -7. (7?23/ /1
92Q(52 /02 ?15/ 5H229) 739 2G %(474(1:5 ?2735 1% H://(3; 73
239 /1 /02 /2..(8 2 47 7?(/(25 @0(40 7/ H.2523/ 7%% (4/29 /02
41:3/.) 739 1% H.2Q23/(3; /02 %:./02. 9(575/.1:5 2MH239(J
/:.2 1% 8 119 739 /.275:.2 :/ (35/279 02 79929 1%/02(.
07Q(3; 8223 ;(R7/(%(29 8) 51 925(.78 2 73 7331:342?23/
/02) 079 (5/2329 /1 7 5H2240 8.27/0(3; Q23;27342 8 119G
?(52.) P 739 .7341:. 2 /023 ;7Q2 Q23/ /1 73;:7;2 5:40
75 075 (1/ 8223 (5/2329 /1 (3 /02 1:52 1% 1??135 5(342
/02 97)5 1% 07(=25 /02 (.5/ 739 5:40 75 21.;2 /02 0(.9
?7) 75 7 /.:2 0.(5/(73 07Q2 %1.;(Q23 8:/ @0(40 (/ @75
(?H155(8 2 /07/ 02 501: 9 2Q2. %1.;2/ R N 0152 H2.5135 O
57(9 1M N @01 ?(;0/ 407342 /1 N82 (;31.73/ /07/ /02
H2240P%.1?B/02 /0.132 @75 /02B41?H15(/(13 31/ 1% /02
1Q2.2(;3 0(?52 % 8:/ 1% 7 78(32/ 1:34(@1: 9 52/ (/ 91@3
75 413/7(3(3; /02 523/(?23/5 1% 51?2 7.8(/.7) 925H1/(4
07.9R027./29 739 :3%22 (3; ?137.40 @01 07Q(3; (3Q1 Q29
0(5 5:8G24/5 (3 R7 .:(31:5 739 :337/:.7 @7./ /1 ; :/ 0(5
%22 (3;5 1% .2Q23;2 @75 92/2.?(329 /1 H2.52Q2.2 (3 (/ (3
5H(/2 1% 47 7?(/) 739 2Q23 1% %7/2 (Q25/ /02 5H2240 O
57(9 1M N 1% (/5 1%%(4(7 %1.?5 739 @07/ @75 (/5 H:.H1./c
F :. 155H5 (3 ?2.(47 07Q2 8223 ?15/ 47 7?(/1:5 02
8 119 1% ?) 5:8G24/5 075 % 1@29 (3 41H(1:5 5/.27?5 02
/.275:.25 1% .27/ .(/7(3 07Q2 8223 QP70/13) 7Q(5029
02 179 1% /7M25 (?H1529 13 73 1Q2.R8:./02329 41:3/.) (5
8241?2P (3/1 2.78 2) .7;2 %1. 413 I:25/ (5 :3 I:234029X
?) .2Q23;2 :357/29X 31. 473 73)/0(3; 2M42H/ /02 /1/7
5:8G:;7/(13 1% ?) .2Q1 /29 ?2.(473 5:8G24/5 7 7) ?)
73(?15(/) 5 %1. (3(5/2.5 O 57(9 1M N /02) @2.2 7
4:.52 /1 /02(. 41:3/.)X /02) 079 ?792 .27/ .(/7(3 73
18G24/ 1% 541.3 739 92.(5(13 /1 /02 37/(135 1% /02 27./0
U :/O 02 79929 N /02 /(?2 @(5:.2) 41?2 @023 73
1HH.25529 739 (..(/7/29 H21H 2 @(%(.?) 47 %1. 5(;37
H:3(50?23/ 13 /0152 @0151 41:352 5 07Q2 8.1:;0/ /02
37/(13 51 327. /1 /02 8.(3> 1% 925/.:4/(13 3 (39(;373/

(M ' SL Z ' *Lc ' ' LLL

37/(13 @1 : 9 5 : . 2) (3 /02 239 41 ? H2 ' /02 ?' /1 ' ? 7>2 51 ? 2 %7(3/ 7/132 ? 23/ %1.' /02 ? 7 ; 3(/ : 92 1% /02(.' 1%%23425 ' 13 7

- ' O' F

02 . 2H) ' 1% 1.9 1 . /0 ' 01@2Q2.' ? (5/7>23 02 ? 7) '
07Q2 8223 (3 0(5 Q(2@5 ' @75 78 2 ' 9(; 3(%(29 ' 739 ? 73) '
(3(5/2.5 ' 02 57(9 ' 079 8223 744 : 529 1% 07Q(3 ;' (35/(/ : /29
739 H2.52Q2.29 (3 /02 ? 2.(473 @7.' %1.' /02 H : . H152 1%
799(3 ;' /1 ' /02 (3% : 2342 1% /02 .1@3 ' 02 407 . ; 2 @75 '
0(; 0) ' (3G : .(1 : 5 739 : 3G : 5/ ' N (9 31/ ? 23 >31@ O 02
413/(3 : 29 ' N /07/ /02 ? 2.(4735 @(5029 /1 ' 82 ; 1Q2.329 8) '
/02 (3 ;' 739 /02(.' 1@3 552 ? 8 (25 ' 739 /07/ /02) ' @23/ /1 '
@7.' 8247 : 52 /02) ' @1 : 9 31/ 82 ; 1Q2.329 8) ' /02 2 ; (5 7/ : . 2
1% .27/ .(/7(3 O /' @75 31/ /02.2%1.2 /1 ' (34.2752 /02
(3% : 2342 1% /02 .1@3 ' 8 : / %1.' /02 57>2 1% /02 135/(/ : J
/(13 < %1.' /02 57>2 1% H.252.Q(3 ;' /02 5 : H.2 ? 74) ' 739 G : 5/
.(; 0/5 739 H.(Q(2 ; 25 1% /02 - 7. (7 ? 23/ 1% .27/ .(/7(3 < '
/07/ /02 @7.' @(/0 /02 1 13(25 079 8223 47 . .(29 13 '
? 2 73401) ' 9(575/2. ' 57(9 1.9 1 . /0 ' 079 82%7 23 1 : .' 7. ? 5
(3 (. ; (3(7 ' 8 : / @2.2 @2 13 /07/ 7441 : 3/ /1 ' (2 91@3
739 9(2 1 (/ 1 : ; 0/ . 7/02.' /1 ' . 1 : 52 ' /1 G(. ; 2 ' /1 ' (? H2 '
/1 ' 73(? 7/2 : 5 (3/1 74/(13 ') ' 81 9 739 : 3(/29 2M2 . /(135
2Q2.) /0(3 ;' ? (; 0/) 2/ 82 57Q29 ') ' 92G24/(13 739 925H7(.'
U 2Q2.) /0(3 ;' ? : 5/ (32Q(/78) ' 82 15/ ' 2 079 8223 /0.27/2329
9 : .(3 ;' /02 9287/2 ' 02 57(9 ' N @(/0 (? H2740 ? 23/ 739 /02
547%%1 9X 8 : / /07/ /0.27/ 501 : 9 31/ 92/2.' 0(? ' %.1 ? ' 91(3 ;'
0(5 : / ? 15/ /1 ' H.252.Q2 /02 .(; 0/5 739 2 ; (5 7/(Q2 7((/01.(/ P
1% - 7((7.723/ ' 02 @7.' @(/0 ? 2.(47 079 8223 : 3%1./ : J
37/2 ' 8 : / (/ @75 31/ 13 /07/ 7441 : 3/ 3242557.( ) ' 73 : 3G : 5/
E 132 O /

1.9 1./0 @75 735@2.29 8) ' : .>2 (3 7 5H2240 1%
/0.((3 ; ' (% 31/ 413Q(34(3 ; ' 2 1 I : 2342 ' N .2 @2 O 02 57(9 '
N /1 ' 82 /1 9 1% /02 .(; 0/5 %1.' @0(40 @2 @23/ /1 ' @7.c 0T

F 2 507 ? 5 2(; 3 1% 21. ; 2 L ' Q1 ' (((' HH ' +LL < SX D8P.7M7 B5 (5/ ' 2 ? 1(.5 '
Q1 ' ((' HH ' SVV < # X -7.(' A(5/ ' Q1 ' MM((' 41 5 ' ", < # ` + X 1M=5 H224025 ' Q1 ' ('
H ' S+S
] ' -7.(' (5/ ' Q1 ' MM((' 41 5 ' $! V < ! $

2M42 23/ .(;0/5T 0T Q7 :78 2 .(;0/5T< 7 :78 2)1: 501: 9 82 %1.[Q2 07Q2 H7(9 927.7/ H7./(3;@(/0)1: 0T Q7 :78 2 .(;0/5 /07/ 07Q2 415/ 3; 39 /0(./223 H.1Q(3425 %1:.(5 7395 7B0:39.29/01:5739 ?23 739 ?1.2/073 52Q23/) ?((135 1% ?132)T 8T @1392.%: .(;0/5 /07/ 07Q2 15/ /1 .27/ .(/7(3 02.RR2?H(.2 13 /02 H4273R 82% 8175/29 ;.739 739P5:85/73/(7% 5:H2.(1.(/) @0(40 ?792 /02 QP1.9 8239 82%1.2R 0i.TFP 8 B(32 /(3(h8 2 .(;0/5 /07/ 07Q2 /7>23 %.1?: 5 1:. .73> 7?13;37/(135 1:.(?H1./7342 78.179 739 1:. 07HH(3255 7/R01?2 X /07/ 07Q2 /7>23 %.1?: 5 1:./.792 P1:. ?73:%72/:.25 739 1:.41??2.42X /07/ 07Q2 .29:429P:5 %.13(=/02PB15/%1:.(50(3;2?H(.2 (3 /02 @1.9 /1 132 1% /02 ?15/ :323Q(78 2FH1@2.5 13 /02 %742MP1% /02 ;182T 0T @1392.%: .(;0/5 /0h/ 7.2 (>2) /1 /7>2 %(X1G3 :5R 7 /07/)2/ .2?7(35T O F U P _ ^ $

-(//7 51 5H27>(3;83 /02 R5(92R1% /02 HH15/(/(13 74 I:(.29 %.250 7:.2 5 8) 0G5 2 1 I:2342 NR . D -(// @.(/25 [7 H1 2 ^^7P7(3 ?792 7 ?15/ 8.(k(78%%(; .2 /1 /02 79?(J .7/(13 1% 7 R?20 1% 7 5(925 /Q23 /0152 @01 .2?2?R 82.29 /02 8.((73/ W 1 I:2342BP@(/0 @0(4 (B 07.25 1M 7/ /02 7;2 1% /@23/)XR 079 799.25529 /02 1:52 c% 1.0?135 @W.2 31/ /02 255 7?7629 7/ /02 R%(3(5029 1.7/1.) /02 H1 (5029 523/23425 739 /02 8(//2.(3Q24/(Q25 @0(40 /02)31@ (5/2329 /1B%.1?/02 (H5 1% 0(5 925/(H29 .(Q7 1M 0(?52 % 23/0:5(75/%47)924 7.29 (3 /02 41:.52 1% /02 9287/2 RB/07/ N 02 41:9 31 13;2. 7?23/ /02 155 1% 1.9 0j/07(%1. U02 G)75 7;7(3 (Q(3;(3B0(5 513a @G/0 7 8(5 Q(./:25 739 7 0(5 /7 23/5 O G =aQR Q B =

2/ 8.((73/ 13 /0(5 (H4475(13 75=R P75 /02 9(5H 7) 1% 2 1 I:2342 13 /02 H7./F1% /02 HHAP/(13 =F51 H1@2.%: .2J ?7(329 /02 -7.(7?23/7.)(3%:2342 H% 1.9 .0 51 ;.27/ @75 /02 (3%7/:7/(13 @0(40 H2.Q7929 81/0 1:525 1% -7.(7R

E :.>2=5 ZY2240 45 Q1 H +""
] D7H 2=5 75/ 1:.37 5 Q1 (H S$"
(R (%2 1` 1?( )8) 0(5 135 Q1 (H !,+

?23/' 739' 51' :3@((3;' @2.2' ?73)' 2?82.5' /1'5/: /(%)' /02(.' .241.929' 1H(3(135' 739' Q1/25' 8)' H.131:34(3;_' G:9;?23/' 7;7(35/' 7' K@H' @0(40' /02)' 079' 51' 13;' 739' /2374(1:5)' 5:HH1./29' /07/' /02' 99.255' @75=47..(29' (3' /02' 1:52' 1%' GY.95' 8)' $V' H22.5' 7;7(35/' L!' 739X(3' /02' 1:52' 1%' 1?J ?135' 8)' +!"BB' Q1/25' R7;7(35/' !+,' 1' 1.9' 1./0' /02' (3;' @.(/25' 13' /02'%1 1@(3;'97)'(3' 7 :5(13' /1' /02' (Q(5(13' (3' /02' 1?(3135' <'N ' 7?' 92(;0/29' 7/R /02' ?7G1.(/)' 739' 31/' 5:.H.(529' /07/' 51?2' H.(34(H7' 23(82.5' 07Q2' 7)2.29= (3' /02(.' 523/(?23/5 B= /' @75' 31/' 13;' 0 @2Q2.' 82%1.2' E@7Q2.2.5' 82;73' /7' 82' 413Q2./29' (3/1' 74/(Q2' 1HH1323/5' 1' 13;' 75' /02.2' 879' .2?7(329' 7' H.15H24/' 1%' (;0/23(3;' /02' H24:3(7.)' 8:.9235' 1%' .27/' .(/7?' 8)' /7M(3;' ?2.(47' /02' @7.' 079' 8223' 7' H1H:;.' 132'X 8:/' 31@' /07/' /02' 413/25/' @75' 2Q(923/)' %(((:;0/' @(/0' ?((/7.)' 9(575/2.' 739' %(3734(7' 9(5/.255' 2Q2.3T' (392H23923/_' 2?82.5' 1%' /02F %(1:52' 1%' B R 1??135'R@01'079' 7/2)' 8223' 5/7:340' 5:HHB1./2%5' 1%' R/02' 1Q2.3?23/X 82;73'/1'@(/09.7@'%(R1? /02(.'7 2;(7342 R' 8.' '(35/7342' 13' /02' !+/0' 1%' 242?8W.' /@1'@27 P)' 739' H1@2.J %:' 1??132(B ' (' 7?2P' 1@/02. 2(382.%1.' :?82.739' 739' .N 01?75' K-1@)5T' 2?82.' %1. 1./07?H/1350(.2' 52Q2.7)' ?1Q29' 739' 52413929' 7' 251 :/(13' /1'_/02' 2%%24/' /07/' 73)' 7//2?H/' /1' R.29:42' ?2.(47' /1' R1829(2342' 8)' %1.42' =1% 7.?5' @75' (?H10(\P' 739' 1:;0/' /1' 82' 787391329' 02' ?1/(13' @75' 15/' 8:/' (/' @75' 13)' 8)' 7P'9(?(3(5029_F?7G1.(/)' 1%' %1./)R132(GXB' N ' /P75' .7/02.' 9(57HH1(3/29 0' @.(/25' /02' (3;' 13' /02'%1 1@(3;'97)'/1' 1c9' 1./0' N'7/' /02' ?7 1.(/)' 37/' 82(3;' ;.27/2.' 7;7(35/' /02.' 4GP:25/(13=(31Q29' 8)' (.' 7?25' 1@/02.0e ' :)

:/' 1% 911.P' ?1.21Q2.' 75' @2 75' @(/0(3' /02' @7 5 1% -7.FR' (7?23/' /0W' H:8(4' 0P9' 82;:3' /1' .7(52' /02(.' 1(425' 7;7(35/'

' 1.9' .1:;07?=5 /7/25?233 1%/02' (?2 1% 21.;2 L'Q1(' /' - R 9(/(13' !"V"' Ë Ü

/' .27/29' (3' !$,$' 7.13' (%1.9' 2 57/(3'%()2 -7.(7?23/5 %1g /02' 41:3/)' 1% 1./07?H/13' 739' 9(29 +# 73:7.)' !"**' B Ë ' ++*' /1' !$, é 1.9' .1:;07?=5 /7/25?233 1%/02' (?2 1% 21.;2 L BQ1(' (' H' !#*

/02‘%:./02.‘H.1524 /({3‘1%R/02‘@7.‘ 22/(3;5‘@2.2‘413Q2329‘ 8)‘/02‘ 1.H1.7/(13‘1%‘ 13913‘XB8)‘/02‘41:3/(25‘1%‘ (99 252M‘ 739‘ :..2)‘X 8)‘/02‘2 24/1.5B1%‘D 25/?(35/2.‘739‘8)‘/02‘D 25/‘ 39(7‘?2.4 (73/5‘7/R 2740‘U‘@0(40‘.251 /(13B5‘@2.2‘H75529‘ 41392?37/1.)‘1%‘/02‘H.1 13;7/(13‘1%‘015/((/(25‘ (3(5/2.5‘ @01‘079‘ 13;‘5(342‘8223R1:/‘1%y7)1:.@(/0‘/02‘H:8(4‘ 079‘1@(3;‘/1‘ 4134:..2342‘1%B‘79Q2.52‘4(.4:?5/73425‘ 8241?2‘F?1.2‘:3H1H:7.‘/ 73‘2Q2.‘ 02P=5 739R‘1%‘ / :5/7/(7‘079‘8223B.247H/:.29‘8)‘/02‘ 7.I:(5‘92‘d 1:(WF‘ D(/0‘/02‘2M42H/(13‘1%‘FP7.879125R7(9‘ 3/(;:7‘7‘/02‘ 22J @7.9‘5 7395‘(3‘/0P‘D 25/‘39(25 427529‘/1‘82R‘(3‘/02‘H15525P‘ 5(1?1%‘.27/‘.(/7(3‘ (31.47‘41G(/7(3(3;‘/OW‘825k07.8{:k= (3‘/OWR 29(/2(73273‘B079 822.=41?H2 29‘/1‘47H(/:7/2‘= :/‘/02‘2Q23/‘GP0(40‘?1.2‘/073F73)‘1/02.8(.40?RB‘ 5/7042‘/23929‘/1‘413H2/2^/02‘:3H1H:7.(/)‘1%‘/02‘ (3;=5R 1.)R‘ (3(5/2.P‘@75‘/02‘(3;1.(1:5‘.2/:.3‘/1RK 3;739=B1%‘ 9?(.7‘ 2?H23%2/‘R@01‘079‘8223‘523/‘@(/0‘/@2Q2‘B57(‘ 1%‘/02‘ (32B‘/1‘=(3/2.42H/R7‘.2340‘%22/‘13‘(/5‘K@7)‘B%.13% .25/B‘%1.‘/02‘ 75/‘739‘D 25/‘39(2 ‘/02‘47H/((.2B1%‘R@0(40‘ 7HH27.5P/1‘B07Q2F‘8223‘R73/(4(H7/29‘75‘7‘4Wk/7(3‘2Q23/ X 2?H20(P/‘(39229‘5:442W929‘(3B%7 (3;‘(3‘GQ(/0‘/02‘232?)‘ 8:/‘/1B‘0(5‘9(5?7)‘9(541Q2.29‘07/‘/02(.‘%1.42‘4135(5/29‘ 1%‘75‘?73)R75y3(32/223‘(32R1%‘87//2‘B50(H5P‘739K‘41352J I:23/)‘02B%2/‘(/0(5P9 /)‘/1‘7 1(h‘j3‘23;7;2?23/‘F 5R= 37(;0/‘BG82 2MH24/2(9‘7‘‘B/02‘@.7/0‘1%‘B/02‘41:3/.)‘@75‘‘ H1:.29=:H13‘(1.9‘709@(40=7"‘(.5/‘1.9‘1%‘R/02R 9?(.0‘ .7/)‘.@01B@0(2‘5(M‘50(H5‘1%‘@7.F‘@2.2‘)(3;‘F(3y/02c‘ 1@35B‘079‘7 1@29‘2?H23%2/y/IFB‘57(‘%(1?(3;73M(‘@(/0‘ ‘B(3(792I37/2‘R73‘%.?7?;3/‘ %‘_ 1.9=á 7 9@kH0‘473BF‘ @27/02.‘ @.(/i5PDI H1 2=/IB 730‘N‘02‘@(‘89R5>(%:‘ E1.‘%1./:37/2‘(39229‘ 73B9D7H1 2BP‘7995‘ N‘?15/‘(H1:/05 7.2‘1H2329B‘R7;7(35/‘0(?‘31/‘13)‘%.d B HH{5(/k1 P739‘(0B /1@/(G‘8:/‘7/‘ H/(//O‘BNF 02‘I:25/(13R8%‘F 2(0H23%2k/=‘‘ @.(/25‘ (.(%21.;2R 7Q(2‘/1‘ 1.9R 14>(3;07?‘F N jW2/35K

' SL Z ' -' ' z' LL,

/1' (2' (3' 7' ?(; (/)' 37..1@' 413(H755 ' D023')1:' 523/' 1:/'
/@2 Q2' 50(H5' 9(9')1:' >31@' /07/' (02)' 079' 3(32/223' 1.' .(1/c
%R)1:' 9(9')' 4: H78o2' 9;31.7342' X (%')1:' # #)' @1.52 OF
1' 7//74>' 1.9' 739@(40' R(3' -7. (7?23/'B739' (3' /02PP P'
H2.513' 1%± 1.9' 739@(40' /02' 9 ((3(5/.7/(10 /' @75' 31@'
/02' H1 (4)' 1%' /02' HH15(/(13' 441.9(3;)' 13' /02' $/0R'1%
28.77.)' 07. 25' B HM' (3' /02' 41:.52' 1%' 7' ?7;3(%(423/'
5H2240' R92 (Q2.29' 8)' 0(?BB(3[/02' P 1/52' 1%' 1??:135' .(1/
U13)' 4073;29'0: 'GQ(/ .' 82(.(;' /02' 7:/01.' 1%' /02' ?73)'
37Q7'± %7(:.2c' 739' 9(575/2.5' @((XX0' 079' 9(5;.7429' /02'
U41:3/()' 9:.(3;' /02' @7.' 8:/' ?1Q29 %1.' 7' Q{/2' 1%' 4235:.2'
:H13' 0(5' 4139:4/5' ± 02' .25: /B' 1%' /02' (Q(5(13' ?73(%25/29'
/02' ;(=)(3;' R Q27>.(255P1%/02'B 9?(3(5/.7/(13' 02' ?1/(13'
@7j' 92%27/29' 8)' 7F' ?7G1.(/)' 1%' 13)'/@G23X)R/@1' 739' @023'
13' /02' +L.9' /02' 9(54:55(13'@75'0P32 Q29' 8)' 1M' 7' ?7G1.(/)'
K1%B3(32/223' 3)B=@75' 18/7(329' 8)' (3(5/2.5
/('?1.2' 7:B18G24/ 1%' 9(5(>2' 75R7^ (3(5/2.' /073B 1.9'
F 7.(9[Q(0X' @75' 1.9' 21.;2' 2.?7(32 P' (5B924 7.29' 739'
185/(37/2B' 9 /P?(37/(13' /?' 79Q(52' /02' ^ (3;' (3B2H3/(3:%2' /02'
Q7:' Q(/0' S ?2.(47' 31/' 13)' .2392.29' 0(?' P5H24(7)'
1831M(1:5' K/1902' HH15(/(13' 8:/RP51' 92/.(?23/7' @75 '0(5' B
;202.7[' :3H1H: 7.(/)' /1B/02B@2 [RkY2(3;'1%'F/02' 9?(3(5/.7J
/(13' 7P' /1' (39:22' 0(5P41 27;((25' /1' 925(.2B0(5' .2/(.2?23/'
^U%41(3' 1%%(42BX 2/' /0W' 41352I:2342'82' @07/B(/' ?7) O
' 079' 8223' 0(5' @1.95B' (3F' /02' R 1:52' 1%FB 13(?135' 3/02'
K!+/0' 1%' ' 242?82.' B Q('P3)2.' H:/' ?)' 0739' /1R73)

82' .:((G89B739' /07/' @2' 32Q2.' 47((413/(3:2' /H2M(5/P5' 9;.27/F'
U1.' ' H1/Q2.y1' 37/(1(P' :3 255BR@ ' .(2/7(3R/ (2' 51Q2.2(;3/)'
1%' 3G2.(47P=/' ^ ((1./(' 92Q1 Q29' / M2/057;.2278 1
Ü/75>' 1%0848.((?(?(47/?;' /1' 0(5' 1 27;:2' /02' 324255(/)' %1.F'
0(5R.25(;3(3;' /82' c275' N 2.)' .@2 XFP'G3)' 1 9FP± @75

F' 14/(3;07?' 1..25HF' '((' HH' FSS#RSS!
]' -7Q' (5/' Q1' MM((' 41B5' "+"<,B' P

1.9' 21.;2=5' .2H)' N'8:/' H.7)' @0)' (5')1:.' 1.950(H' /1' 5/7)c0 F' /' 075' 8223' 57(9' /01:;0' 7HH7.23/)' 13' (35:%%(J 4(23/' 7:/01.(/)' /07/' (/' @75' @(/0' ;.27/' :3@((3;3255' /07/' /02' (3;' 7442H/29' /02' 527 5' %.1?' 1.9' 21.;2' 2.?7(32' /' 7' R2Q23/5' /02' (3;=5' 2//2.5' /1' 1.9' 1./0' 82/.7)' 31' 73M(2/)' 13' /0(5' H1(3/' N' 1.9' 21.;2 0' 02' @(R(/25' 13' /02' DN ' 1% 242?82.' N'(5' 31/' :3@((3;' /1' .2/(.2' (%' 02' ;2/5' 0(5' 18G24/' @0(40' (5' 7' H22.7;2' =Ú 1326473' / (23' 57)' 02' (5' 9(5;.7429X0' 739' ≠02' (3;7995' N %')1:' /0(3>' (/' 825/' /1' ;.7/(%)' 1.9' ^ 21.;2' ' @(' 51:39' .' 23>(3513' 75' /1' 5:44229(3;' 0(?O%' 1.9' 2I.;2' @75' 7441.9(3;)' 1%%2.29' 7' 7.13)' 8:/' 02' 07:;0/( )' (35(5/29'13B82(3;' 7/' 1342' 4.27/29' j' (541:3/' (5' 7(92R9WR47?H' 02' 57(9' 75' K@2(' 75' 0(5' 524.2J /7.)' 739' 0(5' 79Q147/2' 079' 7' 8223' ?792' 7.135' 739' 02' @75' :3@((3;'/1'/7>2' .73>'82 1@'/02?(G' 0(5' 4134255(13' 07Q(3;' 8223' ?792' /1' >(?' 02P' @75' 4.27/29' 13' /02' !!/0' 1% 28.:7.)' !$"+B' (541:3/' 74>Q(2' 1%(.7)/13' (3' 1./07?H/1350(.2X' .' D2 81.2' (5' 7%/2.@7.95' 1.9' 239(H' 82(3;' 7/' /02' 57?2'/(?2'7HH1(3/29' /1' 5:44229' 0(?' 75' 24.2/7.)' 1%' /7/2' %1.'/02' 1 13(25

3' ?1.2' /073' 132' I:7./2.' /02' 2 2Q7/(13' 1%R 1.9' 21.;2' 2.?7(32' /1' /02' H22.7;2' .7(529' 7' Q202?23/' 1:/4.)' 739' 31@02.2' 7' ?1P2' %:.(1:5' 739' :3?2.(/29' 132 /073' 7?13;' /02' HH15(/(13' 1.95' (3' /02' HH2.' 1:52' 02)' 1:;0/' /1' 07Q2' .2??2?82.29' /07/' @07/2Q2.' ?(;0/' 07Q2' 822' 1.9' 21.;2=5' 4139:4/' 7/' /02' 87// 2' 1% (3903' /02.2' 079' 5(342' 2 7H529' 73' (3/2.Q7' 1%' /@23/)R/@1')27.5' 9:.(3;' @0(40' 02' 079' %(29' E@(/0' 627' 739' 78((/)' ?1.2' /073' 132' 1%%(42' (3' /02' /7/2X' 739' %:./02.' /07/' 0(5' .25/1.7/(13' /1' /02' -.(Q)' 1:34(' Ú(3' !$#V' @0(40' 079' /74(/)' j4>31@ 29;29' 0(5' 2 (;(8((/)' /1

B' D7 H1 2=5' 75/' 1:.37 5' Q1 ' ((' H' S,L
]' 1.9' .1:;07?=5' /7/25?23' 1%' /02' (?2' 1%' 21.;2' L' Q1 ' (' HH' !#*' !#!
/' 02' H2.5135' 7 :929' /1' 8)' 1.9' 21.;2' 2.?7(32' @2.2' 1.9' ?02.5/' 7/' /0(5' /(?2' 1?7392.(3' 0(2% 1% /02' .?)X 01?75' 92' .2)' 4.27/29' 7.13' D7 5(3;R' 07?' (3' !$"*' @M1' 079' %1.?2.)' 8223' 0(5' 392.' 24.2/7.)' 1%' /7/2' (3' /02' 1 13(7' 2H7./?23/X' 739' 2M7392.' D2992.8:.((' 01@' 1.9' 1:;081.1:;0' @01' 079' 8223' 1.9' 21.;2=5' 279(3;' 1:352' 7/' 0(5' /.(7' 8)' 1:./' (%%/(7' (3' !$V,

01 9' /0152' 7HH1(3/ ?23/5 ' 079' 8223' /02' 74/ ' 31/' 1%' 0(5' 1.)' %.(2395 ' 8 : /' 1%' /02' D 0(;5' /02 ? 52 Q25 ' : /' H(/)' 739' ;232J .15(/)' @2.2' 7 (>2' 15/' 5(;0/' 1%' (3' /02' 8(//2.3255'Ú1%' H7./)' 73(?15(/) ' 1.9' 7. ?7./023' 31/' 13)' ?1Q29' 7' .251 : /(13' /1' /02' 2%%24/' /07/' (/' @75' 92.1;7/1.)' /1' /02' 9(;0(/)' 1%' /02' 1:52' 1%' -22.5' /1' .7(5P' /1' /02(.' .92.' 7' H2.513' 78H:.(3;' :392.' 4235:.2 1%' 1:./' 7./(7 '8:/' 2Q23' 7%/2.' /02' 32PQ -22.' 079' /7>23' 0(5' 527/' 13' /02' 8234025P' 1%' /02' 1:52' 1%' 1.95' 02' B.232@29' 0(5' ?1/(13' (3' /02' @1.95' 1%' D 7 H1 2' N' (>2' 7' 8 11901:39K P= 74/:7)' 47:5(3;' %02' 523/2342' 1%' /02' 1:./' 7./(7' /1' 82' .279' 82%1.2' 1.9' 21.;2=5' %742 F' 02' ?1/(13' @0(40' @75' ?2/' 8)' 1.9' 21.;2' @(/0' 5(3;: 7.' 41?H15?R2' @75' 32;7/(Q29B8)' 7' 7.;2' ?7G1.(/)

/' 23;/0' 13' /02= ++39' 1%' 28.:7.)' !$"+ ' @023' /02' :3R' H1H:(7G=(/)' 1%' (3(5/2.5' @75' 7/' (/5' 02(;0/P' 739' @023' /02' H21H 2' 1%' 3; 739' @2.2' 8241?(3;' ?1.2' 739' ?1.2' 413J Q(3429' 1%' /02' ?793255 P' 1%' H.1/.74/(3;' /02' 413/25/' @(/0' ?2.(47' < ' 232.7' 13D7)' (3' 7' 4.1@929' 739' 73M(1:5' 1:52' 1%' 1?? 135' ?1Q2 9' 73' 99.255' /1' /02' 0.132' H.7)(3;' /07/' /02' @7.' 13' /02' 13%(323/' 1%' 1./0' ?2.(47' ?(;0/' 31R%1392.' 82' H:.5:29' %1.' /02' (?H.74/(478 2' H?RH152' 1%' .29:4(3;' /02' (3078(/73/5' 1%' /07/' 1:3/.)' /1' 1829(2342 0' 1.' ?73)' .275135' /02' =/75>' @0(40' 02=079' :392./7>23' 41:9' 547.42)' 07Q2' 8223' 23/.:5/29' /1' (31.2' 47H78 2' 07395' 13(7)' (/' @(B82' F.2??82.2 (' @75' /02' H2.513' @01' (3' %1.?2.')27.5' 079' 8223' /02' %(.5/' /1' 9231:342' .23Q(2=5' %7?1:5B' /7?H' 4/' 739' /1' %1.2/2 ' /02' /2.(X(8 2' ?(540(2%5' @(/0' @0(40' (/' @75' H.P373/' 739' 079' 7%/2.@7.95' 5:44255J %:)B?1Q29' %1.' (/5' 2H27 ' B 3' /02' H.2523/' 14475(13' 02' 079' '70>2' 9((;23/)' (3Q25/(;7/29' 739'/01.1:;0)' ?75/2.29

F' .734(5' 191 H0(3' 7.I:(5' 1%' 7.?7./023' 5:4422929' (3' 7.40' !$",' 75' %(%/0' :>2' 1%' 2295' K' 02' (3;K' @./25' D 7 H1 2' N' @75' 51' 73;.)' 7/' 1.9' 7.?7./023=5' ?1/(13' /07/' 02' (?? 29(7/2)' 1.92.29' 1.9' 21.;2' 2.??7(32=5' H7/23/' /1' 82' 31/(%(29' (3' /02' 32M/' 7 = ' @0(40' (/' @75GY3' /02' !!/0 0' - @' 0 ? ' Q1 ' ((' H' S,#' 1.9' 7.?7./023' 079' %1.?2.)' 8223' 7' 1.9' 1%' /02' 29407?82.' /1' /02' ?;' 739' 7%/2.@7.95' 8247?2' 1.9' 07?82.7(3' /1' /02' A:223' 2' 29' L!' 73:7.)' !$,,

/02' ?2.(/5' 1%' /02' 7 R(?H1./73/' I:25/(13' 13' @0(40' 02' 079'
23;7;29' 0(?52 %/1' 5H27>X' 0(5' H7/.(1/(5?' 739' (3/2;(B(/)' @2.2'
1%' /02' Q2.)' H:.25/' 475/' X 739' 75/)' 82(3;' :3413324/29' 0)'
GH1(/(47' /(25' @(/0' 2(/02.' /02' 14>(3;07?' 1.' /02' 02 8:.32'
524/(13' 1%' /02' D 0(;' H7./)' 0(5' 7.;:?23/5' H.1?(529' /1' 47..)'
@(/0' /02?' 7 ' /02' @2(;0/' @0(40' 1:;0/' /1' 7//740' (/52 %' /1'
01)' 739' 27.325/' (3/23/(135' 7HH( )' /0W' 5:44255' @0(40'
4.1@329' 0(5' 2%%1./5' @75' 41?H 2/2' N 02' 2%%24/' 1%' 0(5'
5H2240 0' @.(/25' D 7 H1 2' N'@75' (34.29(8 2 0F' 02' /.:/0'
739' 5(342.(/)' Q0(40' (/' 8.27/029' 41?8(329' @(/0' 0(5' ?73(J
%25/' 739' 7%%24/(3;' 5(3;2?(39293255' 1%' H:.H152' 739' 0(5'
K' (3/(?7/2' 74I:7(3/734250(H' @(/0' %74/5' ;2392.29' 0(5' 5H2240'
(%' 31/' /02' ?15/' 2 1I:23/' 7/' 275/' 132' 1%' /02' ?15/' 413Q(34(3;'
739' 2%%24/(Q2' 1%' 73)' (3' /02' ?2?1.)' 1%' /02' 1 925/' ?2?82.'
1%' /02' 1:52' 1%' 1??135' :40' @75' /02' 2%%24/' @0(40' (/'
H.19:429' /07/' @023'7?(95/' 7' 54232' 1%' 2M/.71.9(37.)' 2M4(/2J
?23/' /02' .25:/' 1%' /02' (Q(5(13' @75' 7331:3429' (/' @75'
%1:39' /07/' /02' 3:?82.5' @2.2' !,S' /1' !,L' X /0:5' 27Q(3;'
(3(5/2.5' @(/0' 7' ?7G1.(/)' 1%' 13)' ' 27./)' 413;.7/:7J
/(135' 41?H(?23/29' 13@7)' 13' 0(5' 318 2' 5:44255' 1%' @0(40'
/02' ?15/' 2 1I:23/' @75' /07/' 1%' 07.25' 1M' @(42' 02'
57(9' 02' 079' 57Q29' 0(5' 41:3/.)' 0(5' @75' 0(5' 524139'
/.(:?H( )
.1?' /0(5' /(?2' /(' /02' R74/:7' %7 ' 1%' /02' 1./0' 9?(J
3(5/.7/(13' /02' 1:52' 1%' 1??135' 413/(3:29' /1' H.2523/'
7?15/' 97( )' 7' 54232' 1%' /02' >22325/' 2M4(/2?23/' //74>'
7%/2.' 7//74>' 7//23929' @(/0' Q7.(1:5' 5:44255' @75' 2Q2 29' 7/'
(3(5/2.5')' 81/0' H7./(25' 2Q2.)' 7//2?H/' @75' ?792P<75'
079' 8223' /02' 4752' 9:.(3;' /02' ?2?1.78 2' 9287/25' @0(40'
9.1Q2' (.' 182./' D 7 H1 2' %.1?' 0(5' 13;'/23:.2' 1%' H1@2.'\

F' 75/' 1:.37 5' Q1 ' (' H' |*#
/' 22' " ' Q1 ' (' HH' LL!<L
d' /' @75' 7' ?15/' 5014>(3;'5(;0/ 0' @.(/25' 1.742' D 7 H1 2' 13' /02' ++39' 1%' 73:7.)'
!$S+' N8/1' 522' /02' 5(4>' 739' 9279' 8.1:;0/' (3' 13' 81/0' 5(925' 23' 13' 4.:/4025' 739'
(.' D((7?' 1.913' %.1?' 0(5' 829' @(/0' 7' 8 (5/2.' 13' 0(5' 0279' 739' % 7332' 073;(3;' 1:/'
%.1?' :392.' 0(5' @(;' ' 41: 9' 547.42' H(/)' 0(?' %1.' 0(5' (3;(=7/(/:91 0' - '
G0 ' H'

< P/1 524 : . 2' / (2' 7//2397342' 739' Q1/25' 1%' / (2' 5(4>' /02' 07 /' 739' /02' :>2@7. ?' 02' 2M(5/2342' 1%' /02' 1Q2.3?23/' @75' 2Q(923/)' 8241?(3;' ?1.2' 739' ?1.2' H.247.(1:5' 739' 7441.9(3;)' 75' /02' 4073425' 1%' 5:44255' % :4/:7/29' %(R1?' /(?2' /1' /(?2' /02' 41:3/2373425' 1%' /02' ?2?82.5' 13' /02' HH1J 5(/(13' 5(92' 1%' /02' 1:52' 7.2' 9254.(829' 75' 8241?(3;' ?1.2' 739' ?1.2' 73(?7/29' @(/0' 413%(92342' 739' 01H2' 739' /0152' 13' /02' (3(5/2.(7' 8234025' 75' 41..25H139(3;)' 2 7/29' 1.' 92G24/29' 5' ?(;0/' 82' 2MH24/29' /02' 40(2%' 8.:3/' 1%' H7./)' Q(1 2342' %2 ' :H13' 1.9' 1./0' @01' @75' 31/' 13)' /7M29' @(/0' 07Q(3;' 8.1:;0/' .:(3' 739' 0:?((7/(13' 13' 0(5' 41:3/.)' 8:/' @75' 7 51' .2Q(29' %1.' 7' %:./02.' 1%%2342' 1%' @0(40' 02' @75' 42./7(3)' (331423/' 7' ;(=229)' 739' :3H7/.(1/(4' 7//740?23/' /1' /02' Q: ;7.' ;7(35' 739' ;1952395' 1%' 1%%(42' 1' /0252' 7//74>5' 02' @75' (3' /02' 078(/' 1%' .2H)(3;' @(/0' 7' 41?H15:.2' 739' 9(;3(/)' @0(40' 2 (4(/29' 79?(.7/(13' 2Q23' %(.1?' 0(5' 232?(25' 2' @75' .251 Q29' 02' 57(9' (3' /02' 1:52' 1%' 1?? 135' 13' /02' V/0' 1%' 7.40' 31/' /1' I:(/' 0(5' H15/' :3/(' 02' 501: 9' .242(Q2' 0(5' 1)7' 75/2.=5' 41?? 739' /1' 27Q2' (/' 1.' /(' /02' @(' 1%' /02' 1:52' 2MH.25529' (3' /02' ?15/' :32I:(Q147' /2.?5' 501: 9' H1(3/' 1:/' /02' H.1H.(2/)' 1%' 0(5' @(/09.7@(3;' %.1?' 2?H 1)?23/' N' 5' /1' /02' 2?1 :?23/5' 1%' ?)' 5(/:7/(13 0' 02' 2M4 7(?29' N' 19' >31@5' @2.2' /02)' %1./)' /(?25' ;.27/2.' /073' /02)' 7.2' /02)' @1: 9' %1PR?' 31' 792I:7/2' 41?H2357/(13' %1.' ?)' 73M(2/)' 739' Q2M7/(135' 7;;.7Q7/29' 8)' /02' :34739(9' /.27/?23/' /07/' ' %.2I:23/)' 2MH2.(2342' @(/0(3' /0252' @7 5' /' (5' 31/' 1Q2' 1%' H1@2.' 1.' 1%' ;(R27/3255' /07/' .2/7(35' ?2' (3' ?)' H 742' ' 5H27>' (3' /02' H.252342' 1%' (39(J Q(9:7 5' @01' >31@' 01@' (// 2' '7?' 7//74029' /1' 2(/02. 0' F' 1' 132' 473' 91:8/' /07/' /02.2' @75F/.:/0' (3' 2Q2.)' 132' 1%' /0252' @1.95' 1' 132' 473' 91:8/' /07/' 079' (/' 31/' 8223' %1.' /02' :.;23/' 23/.27/(25' 1%' 0(5' 1Q2.2(;3' 739' 0(5' 52// 29' 413Q(4J /(13' /07/' /02' ?275:.25' 79Q147/29' 8)' /02' HH15(/(13' @2.2' %.7:;0/' @(/0' (??(323/' H2.('R/1' /02' 135/(/:/(13' 1.9' 1./0' @1: 9' 13;' 5(342' 07Q2' .2/:.329' /1' /07/' H.(Q7/2' 5/7/(13' (3

@0(40' 0(5' ?73)' 407.?(3;' 7441?H (50?23/5' 739' Q(((:25' 51' 2?(323/)' I:7 (%(29' 0(?' /1' 50(32

/' 7(.' 2Q23/5' 1.9' 1./0=5' 925(.2' %1.' .2/(.2?23/' @75' 925/(329' 2.2' 13;' /1' 02' ;.7/(%(29' 02' (34.275(3;' @27>J 3255' 1%'/02' 1Q2.3?23/' 079' 8223' 5:%%(4(23/)' ?73(%25/29' 13' .(97)' /02' "/0' 1%' 7.40' @023' 13' 1.9' 103' 7Q239(50' 8.(3;(3;' %1.@7.9' 7' 5/.(3;' 1%' 251 :/(135' /1' /02' 2%%24/' /07/' /02' H.2523/' 47 7?(/(25' @0(40' 7%% (4/29' /02' 41:3/.)' @2.2' 7//.(8:/78 2' /1' /02' (347H74(/)' 1%'/02' (3(5/2.5' 1%'/02' .1@3' 7' ?7G1.(/)' 1%'/23' 13)'924 7.29' (3' /02(.' %7Q1:.' BF/BO(5 7//74>' @75' %1 1@29' 8)' 731/02.' @0(40' /11>' H 742' 13' .(97)' /02' !V/0' @023' (.' 103' 1:5' 2?82.'%1.' :G %1>'739' 7' 1.)' 23927Q1:.29' /1' 8.(3;' ?7//2.5' /1' 7' 4.(5(5' 8)' H.1H15(3;' 7' 9024/' Q1/2' 1%'@73/' 1%'413%(92342' (3' /02' 1Q2.3?23/' 3' /0(5' Q(/7' 14475(13' 7' .29:429' ?7G1.(/)' H%' 3(32' @75' 7 ' /07/' (3(5/2.5' @2.2' 78 2' /1' 524:.2' 739' 7441.9(3;)' 1.9' 1./0'P H2.42(Q(3;'/07/' 0(5' (3(5/2.(7'97)5' @2.2' 3:?82.29' H.2H7.29' /1' 9254239' %(.1?' H1@2.' @(/0' H.1H2.' 9(;3(/)' 739' 5H(.(/' (5' @(50 RO2' /1 9' /02' 1:52' @75' 31/' 13)' %1.' H2742' 8:/' %1.' 73' 9?(3(5/.7/(13' /07/' @1:9' 74/' @(/0' :373(?(/)' 739' 2%%24/' /1@7.95' /02' ;232.7' 57%2/)' 2' @1:9' %1.?' 31' 185/74 2' /1'7' 17 (/(13' (3' @0(40' 02' 501:9' 07Q2' 31' 507.2' 1%' H1@2.' 1.' H 742' 02.2' @2(F2' /0152' 02' 57(9' @01' @2 ' >32@R/07/' %1.')27.5' H75/' 02' 079' 8223' .279)' 739' @((3;' /1' ?7>2' @7)' %1.' 5:40' 73' 9?(3(5/.7/(13' 31.' @75' (/' 1@(3;' /1' 73)' H2.J 5137' 925(.2' 1%' 0(5' 1@3' /07/' 02' 079' 51' 13;' .2?7(329' (3' 0(5R 5(/:7/(13' N ' 924 7.2' /1' 19 0' 02' 2M4 7(?29' N /07/' 31' 1Q2' 1%' 1%%(42' 1.' 1%' 2?1:?23/' 501:9' 92/7(3' ?2' %1.' 7' ?1?23/' (3' H 742' (%' ' 41:9' @(/0' 0131:.' 27Q2' (/' 739' (%' 42./7(3' 4((=4:?5/73425' @0(40' ' 47331/' 31@' 2MH 7(3' 9(9' 31/' H.2Q23/' ?)' .25(;37/(13' ' /(?2' ?7)' 41?2' ' % 7//2.' ?)52 %' @023' ' 473' 82//2.' 5H27>' :H13' /0(5' H1(3/' ' 74/' (3' 1829(2342' /1' 7' 52352' 1%' 9:/)' @0(40' 32(/02.' H2.5:75(135' 31.' ?237425' 473' (3%:2342' ?2' /1' 7873913 0' F

3 /02 ?273 /k?2 75 /02 5H229) .2/:.3 1% /02 ;.27/ D0(; 1.95 /1 H1@2.8247?2 ?1.2 739 ?1.2 7 ?7//2.R 1% 42./7(3/) /02 (3;=5 9(5/.255 739 9(557/(5%74/(13 ?7) 82 .279() (?7;(329 :9(3;/1 /02 7G1.(/) 1% N3(32 O 02 @.(/25 /1 1.9 1./0 13 /02 !#/0<N / 11>5 75 (% /02 1:52 1% 1??135 7.2 ;1(3; 23;/05 /07/ 41:9 31/07Q2 8223 2MH24/29 7?.251 Q29 31/ /1 /0.1@ ?)J 52 % (3/1 /02 07395 1% HH15(/(13 7/ 7 2Q23/5 739 507 42./7(3) (%/0(3;5 ;1 75 /02) 522?/1 /239 >31@ @07/ ?) 41354(2342UP5 @2 75 0131:. 9(4/7/25 75 /02 13) @7) 2%/ %1.?2 O F ;7(3 /02 (3;@.(/25 13 /02 !,/0X< N %/2. 07Q(3;)25/2.97) (3 /02 ?15/ 51 2?3 ?7332. 755:.29)1: /07/ ?) 523/8323/5 1% 0131:.@1: 9 31/H2.?(/ ?2 /1 5239 %1. 73) 1%/02 2792.5 1% HH15(/(13 739 H2.5137)/.27/@(/0 /02? 41:9 31/8:/ 82 0:./ 7/)1:. 2//2. 1% 75/ 3(;0/ Q2.) ?73 ?:5/ 82 /02 51 2G:9;2 1%0(5 %22 (3;5X /02.2%1.2 @07/2Q2.)1: 0 0 ' + @ % 0(5 7//2. 31/2 @75 @.(//23 13 /02 2Q2 1% /02 ?2?1.78 2 D2932597) /02 +*/0 1% 7.40 13 @0(40 97) /02 7. 1% :..2) 079 23;7;29 0(?52 %/1 H.1H152 7 524139 Q1/2 1% @73/ 1% 413%(92342 (3 (3(5/2.5 07/ 97) 079 8223 (?H7/(23/) 2MH24/29 81/0 (3 739 1:/ 1% -7. (7?23/2Q23 ?1.2 /073 8) /02 (3; 739 7441.9(3;) @023 %1:. 1=4 14> 13 /02 +*/0 7..(Q29 /02.2 079 7552?8 29 31/ %2@2./073 %1:. 0:39.29 2?82.5 1% /02 1:52 1% 1??135 2740 739 7 1% /02?27;2./1 (5/23 /1 7 9287/2 @0(40 (3 H1(3/ 1% 2 1I:2342 739 H7./) %(2.423255 /0.27/2329 /1 ?7/40 2Q23 /02 ?2?1.78 2 132 @0(40 %1./))27.5 H.2Q(1:5) 079 H.242929 /02 91@3%7 1% (. 182./ D7 H1 2 /'@75 7/.27/ 01@2Q2. 1%@0(40 /02) @2.2 925/(329 /1 82 9(57HH1(3/29 /02 Q2.) /(?2 @023 /0W 1:52 @75 %((1; 1.9 1./0 @75 23;7;29 (3 7 13; 413%2.2342 @(/0 /02 (3; 7/ / 7H725=5 /1@7.95 /02 4 152 1% @0(40 02 5:4422929 (3 @.(3;(3; %.1?0(5 7G25/) /02

F 1.9 .1:;07?=5 /7/25?23 1% /02 (?2 1% 21.;2 "Q1_'(H !#+ /

.2 :4/73/' 79?(55(13' /07/' 1@(3;' /1' /02' 79Q2.52' 5H(./' @0(40' H2.Q7929' /02' 1:52' 1%' 1??135' 02' 4135(92.29' (/' /1' 82' 31' 13;2.' (3' /02' H1@2.' 1%' 0(5' H.2523/' 52.Q73/5' /1' 47..)' 13' /02' 1Q2.3?23/' 739' 41352I:23/)' /07/' 02' .2;7.929' /02' 9?(J 3(5/.7/(13' 75' 7/' 73' 239' N' 023' (.0' 23I:(.29' 1.9' 1./0' N' 079' ' 31/' 82//2.' 5/7/2' /02' %74/' 7/' 1342' ¢0' 02' (3;' 1%%2.J (3;' 31' %:./02.' 18G24/(135' 1.9' 1./0' 0:..(29' 1%%' /1' D 25/J ?(35/2.' (3' 0(5' 41:./' 9.255' 739' 8:2' .(8739' %1.' /02' H:.J H152' 1%' 7 331:34(3;' 0(5' .25(;37/(13' /1' 739' 7..25/(3;' %:./02.' 015/(2' H.14229(3;5' (3' /02' 1:52' 1%' 1??135' F

D0(2' /0(5' 54232' 079' 8223' H755(3;' 7/' /' 7?25=5' /02' 1:52' 1%' 1??135' 079' 8223' ?1?23/7.()' 739' 73M(1:5)' 2MH24/(3;' /02' 7HH27.7342' 1%' /02' -.(?2' (3(5/2.' 1.9' :..2)' @7(/29' 13)' 1.' 0(5' 7..(Q7' /1' 41??2342' 0(5' 7//74>' 740' /(?2' /07/' /02' 911.' 1%' /02' 1:52' 1H2329' 2Q2.)' 2)2' @75' /:.329' (3' /07/' 9(.24/(13' D023' 7/' 23;/0' /02' -.2?(2.' 23/2.29' 1:9' 4.(25' 1%' N' 1.92.' 1.92.' H 7425' H 7425 0' 7441?J H73(29' 0(?' 75' 02' 79Q7342' /1@7.95' /02' .275:.)' 234025' @02.2' 02' 079' 547.42)' 527/29' 0(?52 %' %1.' 7' %2@' 5241395' 82%1.2' 02' 7;7(3' 5/119' :H' 739' 7//2?H/29' /1' 5H27>' 1.9' :..2)' 01@2Q2.' @01' 079' 7' H.(1.' .(;0/B' /1' 799.255' /02' 1:52' .152' 7/' /02' 57?2' ?1?23/' 739' 75' 1.9' 1./0' 31/J @(/05/739(3;B/02' 4 7?1:.5' 1%' /02' HH15(/(13' ?73(%25/29' 73' 27.325/' 92/2.?(37/(13' 31/' /1';(Q2' @7)' 7' 54232' 1%' /02';.27/25/' 413%:5(13' @75' /02' 41352I:2342' /' 75/' 07.25' 1M' 07Q(3;' %1:39' ?2735' /1' 524:.2' 7' ?1?23/=5' 027.(3;' ?1Q29' /07/' N /02' 7.' 1%' :..2)' 91' 31@' 5H27>0' N' .(52' /1' 5H27>' /1' /07/' ?1/(13 0' @75' /02' H 27573/' 739' 79.1(/' .2G1(392.' 1%' 1.9' 1./0' 739' 07Q(3;' /0:5' 5:4422929' (3' ;7(3(3;' /02' 27.' 1%' /02' 1:52' 02' 7/' 1342' 7331:3429' /02' :32MH24/29' 739' 2MJ 4(/(3;' (3/2 (;2342' /07/' 31/' 13)' 079' 02' 427529' /1' 82' (.5/

F 7.' :552 =5' 2?1.(7 5' 1%' 1M' Q1' (' H' +,V' 3' /02 H.2429(3;' 97)' /02' (3;' 079' @.(//23' /1' 1.9' 1./0' <N (' ' 07Q2' 027.9' @07/' /02' 07342 1.' 075' 9132' %.1?' 0(5' 1@3' ?1:/0' ' 507 ' /7>2' 31' 5/2H' X 739' (%')1:' .25(;3' 82%1.2' ' 07Q2' 924(929' @07/'/1' 91' ' 8 ==' +=?' ' 4 ' ' ?' 7 0' 0" '6 4 4' + 4' ' ' 4' '7 '"' Q1' (' H' !#L

(3(5/2.' 1%' / (2' .1@3' 83/' /07/' (/' @75' /02' (3/23/(13' 1%' 0(5' 7G25/)' /1' 2%%24/' 73' 23/(.2' 4073;2' (3' /02' 9?(3(5/.7/(13' 2' /023' @(/0' ;.27/' %22 (3;' 739' /74/' /073>29' /02' 1:52' %1.' /02' >(393255' %1.827.7342' 739' (39:;2342' @0(40' %1.' 51' ?73)')27.5' 02' 079' 2MH2.(23429' 7/' /02(.' 07395' (5' 1Q2.2(;3' 02' 57(9' @1:9' H.1878)' %(39' (/' 275)' 231:;0' /1' 5:HH)' 0(5' H 742' @(/0' 7' (3(5/2.' 1%' 51:392.' G:9;?23/' 739' ?1.2' 8.((73/' 78((/(25X 8:/' 132' ?1.2'G27 1:5' 1%' /02' 0131:.' 1%' 0(5' 41:3/.)' 132' ?1.2' 73M(1:5' /1' 79Q7342' (/5' (3/2.25/5' 739' /1' ?7(3/7(3' /02' 135/(/:/(13' (3Q(1 7/2' 1.' 132' 73(?7/29' 8)' ?1.2' 92Q1/29' %22 (3;5'1%' 1)7 /)'/1@7.95'0(5' 1Q2.2(;3'0(5' 7G25/)' @1:9' 9(541Q2.' 51?2' 9(%%(4:/)' (3' 18/7(3(3;' KD01J 2Q2.' 02' 413/(3:29' ?(;0/' 82' /02' (39(Q(9:7 5' 7HH1(3/29' /1' 5:44229' 0(?' 739' 0(5' 41 27;:25' (3' /02' (3(5/.)' 02' /.:5/29' /023F ?275:.25' ?(;0/' 82' 5:40' 75' /1' 2M/.(47/2' /02(.' 41??13' 41:3/.)' %.1?' (/5' H.2523/' 4.(/(47' 5(/:7/(13' /1' .2392.' 02.' 07HH)' 739' H.15H2.1:5' 7/' 01?2' 739' 0131:.29' 739' ;1.(1:5' 78.179' 5' .2;7.929' 0(5' H75/' 4139:4/' 75' 7' (3(5/2.' 02' @75' 7@7.2' 02' 57(9' /07/' 02' @75' .25H135(8 2' %1.' @07/2Q2.' ?275:.25' 02' ?(;0/' 07Q2' 791H/29' 2' 079' 1%/23' 8223' /0.27/2329' @(/0' 73' (3Q25/(;7/(13' (3/1' 0(5' H:8 (4' 4139:4/' 8:/' 51' %7.' @75' 02' %.1?' 50.(3>(3;' %(.1?' 5:40' 73' (3I:(.)' /07/' 02' D1:9' 2Q2.' 82' .279)' /1' 2341:3/2.' (/' 2/' /02' 1.927' 82' @07/' (/' ?(;0/' 75/)' 02' ?1Q29' /07/' /02' 1:52' 79G1:.3' %1.' 51?2' 97)5' (3' 1.92.' /1' 7%(8.9' 0(5' 7G25/)' /(?2' /1' 2%%24/' 5:40' 4073;25' (3' /02' 9?(3(5/.7/(13' 75' 02' ?(;0/' 922?' H.1H2.

1' (3(5/2.' 1%' /0(5' 41:3/.)' 31/' 2Q23' (.' 182./' D7J H1 2' 2Q2.' 7(9' 91@3' H1@2.' 739' .2/(.29' (3/1' H.(Q7/2' (%2'@(/0' 7' ?1.2' 8241?(3;' 4022.%: 3255' 739' ;.742' /073' 1.9' 1./0' (5' @(/' 739' ;119R0:?1:.' 32Q2.' 50132' /1' ;.27/2.' 79Q73/7;2' /073' (3' /02' 527513' 1%' 0(5' 92%27/' 739' 9(5;.742' 1.'(35/7342' 13' /02' 3(;0/' 13' @0(40' 02' 41??:3(47/29' /02' %7' 1%' /02' (3(5/.)' /1' /02' 1:52' 1%' 1??135' /02' 531@' 07HH2329' /1' 82' %7%%(3;' /0(4>' 739' :3(3/2..:H/29)X 23/7((3;' ?:40' :3R

2MH24/29' 9(541?%1./' :H13' /02' ;(B27/2.' 3:?82.' 1%' /02' 2?82.5' @01' (3' 73/(4(H7/(13' 1%' 7' 13;' 9287/2' 079' 9(5H23529' @(/0' /02' 7//2397342' 1%' /02(.' 2I:(H7;25' /(' 7' ?:40' 7/2.'01.3=' 441.9(3;)' 13' /02' 8.27>(3;' :H' 1%' /02' 1:52' /02' 13)' 47..(7;2' Q(5(8 2' @75' /07/' 1%' /02' 2MR?(3(5/2.' @01' 75' 02' 5/2HH29' (3/1' (/' 41: 9' 31/' .2%.7(3' %.1?' 475/(3;' 874>' 7' 11>' 1%';119R0:?1:.29' /.(:?H0' :H13' /02' /0.13;' 1%' :4> 255' 5237/1.5' 40(2%)' 0(5' 8(//2.25/' H1 (/(47' 232?(25' @01' 4.1@929' /02' H7557;2' 739' 911.@7)' N' 119' 3(;0/' ;23/ 2J ?23 0' 02' 57(9X N')1:' 522' /02' 79Q73/7;2' 1%' 82(3;' (3' /02' 524.2/ 0F' N' 1' ?73 0' @.(/25' 0(5' %.(239' .' 97?' N' 2Q2.' 501@29' ?1.2' 47 ?3255' 4022.%: 3255' 739' 52.23(/)' 02' /2?H2.' 1%' 0(5' @01 2' %7?( )'@75' /02' 57?2' ' 9(329' @(/0' /02?' /07/' 97)' 739' @75' @(/3255' /1' (/ 0' %' D023' 7' %2@' 97)5' 7%/2.' 0(5' .25(;37/(13' 7' %.(239' 2MH.25529' 51?2' 5:.H.(52' 7/' /02' :32MH24/29' 2Q23/' 1.9' 1./0' (5' 57(9' /1' 07Q2' 5?(3;)' 7HH (29' /1' 0(?52 %' /02' @1.95' @0(40' 07>25H27.2' H 7425' (3' /02' ?1:/0' 1%' 7.9(37' D 1 52) <

N D 07/T' 7?7629
/'?)'?(5%1./:325'¢ 73'/0)'5H(.(/'@1392.
';.27/'?73'501: 9'924 (32 0
8 'I ,'"'& 'L' +) '+

Q23' 13' /02' H7(3%:' 739' 2?87..755(3;' 14475(13' 1%' 0(5' /7>(3;' 0(5' %(37' 27Q2' 1%' /02' (3;' 0(5' 744:5/1%(729R H 27J 573/.)' 9(9' 31/' %7('0(?' D 023' 02' 23/2.29' /02' .1)7' 4 152/' /02' .7(3' 07HH2329' /1' 82' %7 (3;' (3' /1..23/5' N' 7Q2')1:' 8223' 1:/' /1R97) < 07Q2')1:' 8223' 1:/' /1R97)c0 < 23I:%.29' /02' (3;' @(/0' /07/' 0:..(29' 32.Q1:5' ://2.7342' @0(40' @75' :5:7' @(/0' 0(?' @023' 5:%%2.(3;' %.1?' 9(5/.255' 1%' ?(39' N' (.0' .2H (29' /02' %7 23' (3(5/2.' N' ' @75' /:.329' 1:/')25/2.97)' ' @1:9' 31/' /:.3' 7' 91;' 1:/' 5:40' 7' 97)' 75' /0(5 0' 441.9(3;' /1' /02' I:25/(1378 2' 7:/01.(/)' 1%' 1.742' D7 H1 2'/02' (3;=5' ?7332.'/1' 1.9' 1./0' 13' /0(5' 14475(13

F' 7.' :552 =5' 2?1.(7 5' 1%' 1M' Q1 '(' H' +,#' /' @ #' Q1 '(' H' +,V

@75' :3;.74(1:5'7 ?15/'/1'.:923255' ^^ 2?2?82.'?)' 1.9 ‡‡ 7.2'57(9'/1' 07Q2' 8223' 0(5' H7./(3;' @1.95' N(/' (5')1:'/07/' 9252./' ?2'31/' ')1: 0F

)'/02' .25(;37/(13' 1%' 1.9' 1./0'/02' (3;'@75'H 7429' 31/'13)'(3'73'2?87(F.755(3;'8:/'(3'7' ?15/'0:?((7/(3;'H15(J /(13' 1/'13)'@(/0(3'/02' 75/' %2@'@22>5'079' 02' 2?H07J /(47)' 924 7.29' /07/' N31' 9(%%(4:/(25'0' 501:9' (39:42' 0(?' /1' 413523/'/1' 7' -2742' 7/' /02' 2MH2352' 1%' 52H7.7/(13' %(B1?' ?2.(47'8:/'75'@2'07Q2'5223'02'079' ?:40' ?1.2'.2423/)' 739' /@(42'1Q2.'2MH.25529'0(5' %(M29' 92/2.?(37/(13' N31/' /1' /0.1@'0(?52 %' (3/1' /02'07395'1%' HH15(/(13 OT' %/2.'5:40' H.1/25/7/(135'75'/0252'/02'574.(%(425'@0(40'02'@75'31@'.2J I:(.29'/1' ?7>2'1%' 5:??13(3;'/1'0(5' H.252342'(39(Q(9:7 5' @01'@2.2'31/'13)'H 29;29'/1'/02' 392H2392342'1%' ?2.(47' 8:/'@01'079' .2392.29'/02?52 Q25' H2.5137)' 1831M(1:5'/1' 0(?'?:5/'G(7Q2' 14475(1329'0(?'/02'8(//2.25/'?1./(%(47/(13' 1'9(5/.255(3;'@75'/02'413% (4/'@0(40'H.2Q7(29'(3'0(5' ?(39' /07/'K02' 31/'13)'413/2?H 7/29' 2M4073;(3;'/02' 4.1@3'1%' .27/' .(/7(3'%1.'7' 47 ?' .2/((=2?23/' (3' 0(5' 24/1.7' 91?(3(135' 8:/' 1.92.5'%1.'%(//(3;' 1:/' /02' .1)7')740/' @(/0' 7' 2MH29(/(13'%1.' 527' 7.2' 57(9'/1' 07Q2' 8223' 74/:7)' (55:29 T

/'/02'/(?2'1%' 1.9' 1./0=5'.25(;37/(13'/02';.27/' HH1J 5(/(13'H7./)'?7)'82'57(9'/1' 07Q2' 4135(5/29'1%' /@1'524/(135F' /'/02'0279'1%' 132' @75' 07. 25' 7.I:(5' 1%' 14>(3;07?

F' D7 H1 2=5' 75/' 1:.37 5'Q1 '((' H'#+!' 5'/0(5'732491/2'7HH27.5'/1'.25/'13'/02' 51 2'7:/01.(/)'1" D7 H1 2'(/'(5'75'R@2'7;7(3'/1'H1(3/'1:/' 739' (39229' 4135/73/)'/1' 827.'(3'?(39'/02' (3Q2/2.7/2' 7Q2.5(13'@0(40'/07/' 7:/01.' (3' 0(5' @.(/(3;5' 7 ?15/' (3Q7.(78)'9(5H 7)5'/1@7.95'0(5' 1Q2.2(;3

/' 22' 'H' LSV

(' D7 H1 2=5' 75/' 1:.37 5'Q1 '((' H'#+*X' D7 H1 2=5' 2//2.5'Q1 'Q(((' H'!"L' N 02' H.2523/' (3;' 21.;2'/02' 1:./0 0'@.(/25' 1.9' 1 739' N'/1 9'?2'7'5/1.)'1%'0(5'%7/02.=5' H 73'1%'.2/(.(3;'/1' 731Q2.'739' 9254.(829'@(/0'?1.2'0:?1:.'/073'%((7'.2Q2.2342' 0(5'7.(=73;2?23/'1%'/02'92/7(5'739'25H24(7)'1%'/02' (Q2.(25'739'9.25525'781:/'@0(40' 02'@75'51'27.325/'/07/'(/'7?1:3/29'7 ?15/'/1'(3573(/)' 02' H2.(19'01@2Q2.'1%' /0252'5/.73;2'%734(25'@75' '/0(3>'/07/'1%' 1.9' 21.;2' 1.913=5'.(1/5'31/'1%'/02'%7' 1%' 1.9' 1./0=5' (3(5/.)' -2.07H5'02'?(;0/'07Q2'/7>29'1%'5:40'7'H.1G24/'13'81/0' 14475(135'739'02'@75'?1.2'(>2)'/1'41??:3(47/2'0(5'07 %R%1.?29%(3/23/(135'/1'0(5' 513'(3'!$"*'/073'(3'!$"+0' < ' 'E ='Q1 '('H'+"$' #

E[Q 152 4135/(/ : /(137 ‘ 9(%%(92342 ‘ 739‘ @73/‘ 1%‘78((/(25‘ 1%‘7‘0(;0‘ 1.92.‘ @2.2‘ /1‘ 7‘ ;(-27/‘ 2M/23/‘ 7/1329‘ %1.‘ 8)‘0(5‘ ;.27/‘ /2..(J /1.(7‘ H155255(135‘0(5‘ -7. (7?23/7.)‘(3% :2342‘ 0(5‘2M42 23/‘ 41?? 13‘ 52352‘ 739‘ 0(5‘ :3(?H274078 2‘ (3/2;.(/)‘(3‘H:8(4‘ 75‘@2 ‘75‘(3‘H.(Q7/2‘ (%2‘ (5‘ H.(34(H7‘5:HH1./2.5‘(3‘-7.R‘ (7?23/‘ @2.2‘ 9?((39‘ :.>2‘ 07. 25‘ 7?25‘ 1M‘739‘ (407.9‘ .(35 2)‘ 02.(973‘ ?23‘@0152‘8.((73/‘/7 23/5‘739‘ ?7.Q2 1:5‘2 1I:2342‘?1.2‘/073‘?792‘7?2395‘%1.‘/02‘@73/‘ 1%‘/0152‘I:70/(25‘(3‘/02(.‘2792.

02‘40(2%‘1%‘/02‘1/02.‘739‘255‘H1@2.%:‘524/(13‘1%‘ /02‘;.27/‘D0(;‘H7./)‘@75‘D((7?‘7.‘1%‘028:.32‘ 7%/2.@7.95‘%(.5/‘7.I:(5‘1%‘73591@32‘7‘318 2?73‘:3J 91:8/29)‘;(%/29‘@(/0‘?73)‘1%‘/0152‘0(;0‘I:7(/(25‘@0(40‘ 7.2‘.2I:(5(/2‘/1‘%(/‘7‘(3(5/2.‘/1‘.(52‘/1‘/02‘0(;025/‘ 1%%(42‘(3‘/02‘/7/2‘(5‘%(;:.2‘@75‘41??739(3;X‘0(5‘ 799.255‘(35(3:7/(3;‘2(/02.‘0(5‘H1(/(47‘31.‘0(5‘H2.5137‘ 41:.7;2‘@2.2‘2Q2.‘47 29‘(3‘I:25/(13‘‘42./7(3‘;.742‘ 7//74029‘/1‘0(?‘75‘7‘1Q2.‘1%‘(/2.7/:.2‘739‘/02‘7./5‘739‘ 73‘2341:.7;2.‘1%‘54(2342‘(5‘1.7/1.(47‘H1@2.5‘@2.2‘413J 5(92.78 2‘D(2/%D((7?‘-(//‘/023‘7‘81)‘%(.5/‘(5/2329‘/1‘ 0(?‘(3‘/02‘1:52‘1%‘1.95‘(/‘@75‘@(/05/02‘;.27/25/‘79?(J .7/(13‘N‘1.9‘028:.320‘02‘@.(/25‘/1‘0(5‘?1/02.‘79)‘ 07/07?‘N‘@75‘75‘;.27/‘75‘H155(8 2‘(5‘5H2240‘@75‘132‘ 1%‘/02‘?15/‘(3/2.25/(3;‘739‘%1.4(8 2‘‘/0(3>‘‘2Q2.‘027.9‘ 1.‘2Q23‘473‘(?7;(32 0F‘1.21Q2.‘1.9‘028:.32‘079‘/02‘ 79Q73/7;2‘1%‘H155255(3;‘;.27/‘H1(/(47‘>31@29;2‘739‘79J ?(3(5/.7/(Q2‘2MH2.(2342‘D(/0‘%1.2(;3‘7%%7(.5‘H2.07H5‘31‘ 5/7/25?23‘1%‘0(5‘7;2‘@75‘?1.2‘413Q2B.573/‘75/)‘02‘079‘ 31/‘13)‘4H52)‘5/:9(29‘739‘?792‘0(?52%7‘41?H2/2‘?75/2.‘ 1%‘%(37342‘8:/‘02‘H.1:9‘9(5/(34/(13‘075‘8223‘7@7.929‘0(?‘ 1%‘07Q(3;‘8223‘/02‘%(.5/‘.(/(50‘5/7/25?73‘/1‘41?H.20239‘ 739‘79Q147/2‘/02‘;.27/‘H.(34(H25‘1%‘.22‘.792%‘:/

F‘ 07/07?‘ 1..25H‘Q1‘(Q‘H‘SL"
P‘ 22‘N 557)5 13‘/02‘9?(3(5/.7/(135‘1%‘.27/‘.(/7(3 0 8)‘/02‘7/2‘(.‘21.;1‘ ‘4[Q(5‘H‘#*‘#

:307HH( ) ' (% 1.9 02 8:.32=5 413/2?H1.7.(25 7.2 /1' 02 4.29(/29' /0252 2?(323/ I:7 (/(25 @2.2 /0.1@3 (3/1' /02 50792 8)' 73 (35(342.(/)' @0(40 7?1:3/29 /1' 7 H.1%1:39=739 5)5/2?7/(4 9:H 4(/)' 23' 75 (5 @2 ' >31@3' 3(4>37?29 0(?' 7 7;.(97' 7%/2.' 7 42 28.7/29 /7 (73 25:(/ 1% /07/ 37?2' 02 (3;' 0(?52 % (3 132 1% 0(5 2//2.5 5H27>5 H% 0(?' 75 7 N 25:(/ 1% 2.>2 2)' I:7.2 0F

02 H.(34(H7' H2.5135 @01' .2;7.929 1.9 02 8:.32 75 /02?' 2792.' @2.2 /02 0(;0R?(3929 1.9 7?923' 1 132' 7..W' 739 103 :33(3;' 7%/2.@7.95 1.9 508:./13' 5 /0252 5/7/25?23 4135/(/:/29 /02 .2?373/ 1% /02 H7./)' @0(40 079 %1 1@29 /02 87332.' 1% /02 (:5/.(1:5 07/07?' (/ @75 37/:.7' /07/ 0(5 513' D((7?' -(//' 501: 9 7)' 0(?52 % /1' /0(5 524/(13 1% /02 D 0(;' H7./)' (35/279 1% /1' /07/ 1% @0(40 1.9 14>(3;07?' @75 /02 40(2%' /@75 37/:.7' 7 51' 4135(92.(3;' 1.9 02 8:.32=5 -7.(7?23/7.)' 78((/(25 739 2MH2.(2342' 739 0(5 7.923/ 925(.2 /1' H.2Q23/ /02 52H7.7/(13 1% ?2.(47 %.1?' .27/ ./(7(3' /07/ /02 (3;' 501: 9 925(.2 /1' 522 0(?' 7/ /02 0279 1% 0(5 41:34(5' .7/02.' /073 /02 31?(322 1% 07.25 1M 739 1% /02 ?1.2 /01.1:;0R;1(3;' D 0(;5' 2Q2.J /02 255' 13 /02 .25(;37/(13 1% 1.9 1./0' /02 (3;' 47:529 1Q2./:.25 /1' 82 (3 /02 %((R5/ (35/7342 ?792' /0.1:;0 /02 07342 1.' /1' 1.9 14>(3;07?' @0152 /2.?5' 01@2Q2.' H.1Q29 51' 07.9' 739 @01' 92?73929 5:40 5@22H(3;' 4073;25 (3 /02 1Q2.3?23/' /07/ /02 32;1/(7/(13 @75 8.1>23 1%%P 7?15/ 75 5113 75 (/=4I??23429' N 1.9 14>(3;07? 0 57(9 /02 07342 1.' N @75 8.(3;(3;' /0(3;5 /1' 7 H755 @02.2 2(/02.' 0(5 0279 1.' /02 (3;=5 ?:5/ ;1' (3 1.92.' /1' 52// 2

F 1.9 .1:;07?=5 /7/25?23 1% /02 (?2 1% 21.;2 L'Q1 '('H'!+,' 9(/(13' !"V"' 7 7;.(97 @75 5/.73;29 739 8:.3/ 7/ (5813 (3'!$#!' N^ 1')1:'>31@ 1342(3I:(.29 1 95?(/0 1% 1.9 02 8:.32'^/07/' 32Q2.'41: 9 41342(Q2 /02 .27513 @0)'/02)'47 ')1:.' 1.950(H 7 7;.(97 %1.' 7 7;.(97 @75 7 Q2()';119 51./ 1% ?73 c0 6 , '0 ' '0 ')4 ' Q1 '('H' L!V' 1 95?(/0=5 .27' ?273(3;' @75 2MH 7(329 75 %1 1@5 8)' .' 103513 X< N 1 95?(/0=5 8:392.(3;' 5H2240 /1' (2 8:?2' @0(40 075 8223 51 1%/23 ?23/(1329' 739 @0(40 02 .27)'9(9 ?7>2 /1' 0(?' @75 13)' 7 8:392.'(3 2?HO75(5X (/ ?273/' ^' @1392.' /02)' 501: 9 :52 < ' 75 7 /2.?' 1% .2H.1740 =0 * '6 4 Y'0 ' '? ' HH' $!V<#' 9(/(13' !"S"

@0(40' 1%' /02?'@75' /1' ;1Q2.3R/02' 41:3/.) OF' 02' (3;' 31@' 7HH(29 /1B' 1.9' 02 8:.32' /1' %1.?'B73' 9?(3(5/.7J /(13F' 8:/' @(/0' /02'5G7?2' :357/(5%74/1.)' .25:/' 739' 74.R 41.9(3;)'S3' 0(5' 9(5/.255' 02' 523/' %1.' 7.' 1@2.' 07/' 318 2?73' 01@2Q2.'B7 /01:;0' 31/' 92Q1(9' 1%' 7?8(/(13' @75' 2(/02.' N'/11' (391 23/B 1.' /11' /(?(9' /1' 7442H/' /02' H15/'X=UG' /0:5' .29:4(3;'/02' (3;'/1' /02' 0:?((7/(3;'324255(/)' 1%' 5:?R' ?13(3;' 1.9' 02 8:.32' 7' 524139' /(?2' /1' 8(5' H.252342X'B 1.9' 02 8:.32' 13' /0(5' 14475(13' Q2.)' H.1H2.)' 739' GP(9(R 4(1:5)' .2413:323929'/02' (3;' /1' 5239' %1.' 1.9' 14>(3;R' 07?'X 0(5' 1@3' H7./)' 02' 57(9' 31/' 13)' 82(3;' /02' @27>2/' 1%' /02' /@1' 8:/' 02' 0(?52 %' 07Q(3;' ?73)' H2.5137' 232?(25PP' Q @02.275' 1.9' 14>(3;07?'079' 3132' N %O' @.(/25' D7R'U H1 2' N'02' :392./7>25' 02'B@(' 47..)' Q2.)' (//2' 5/.23;/0' 8:/'7?H2' :3H1H:7.(/)O' 1.9' 02 8:.32' 0(?52 %' 5:852J I:23/)' .2?7.>29' /1' 1.9' 14>(3;07?' N')' 1.9')1:' R 473' 5/739' @(/01:/' ?2' 8:/' 47331/' @(/01:/')1:O\

D023' 1.9' 02 8:?2' I:(//29'=/(2' .1)7' 4 152/' (/' @75' @(/0' %:' H1@2.5' /1FC/.27/' @(/0' 1.9' 14>(3;07?' 75' /1' ?23' 739' ?275:.25' 739' @(/0' /02' 9(5/(34/':392.5/739(3;'/07/' /02' 7//2.' 318 2?73' @75' /1' 82' H 7429' 7/' /02' 0279' 1%' /02' .275:.)' 0:5' %7.' /02' (3;=5' 4139:4/R079' 8223' 81/0' 4135/(/:/(137' 739' H.1H2.X' 8:/':3%1./:37/2)' 51' 2M75H2.7/29' @75' 02' 7/' /02' 2M1.8(/73/' 92?7395' @0(40' 879B8223' 7/2)' ?792' :H13' 0(?' 8)' /02' 7.I:(5<?1.21Q2.' 51' ?1.8(9)' .2:4/73/' @75' 02' /1' .232@' 0(5' H2.5137' (3/2.41:.52' @(/0' 7' 318 2?73' @0I52' H1@2.' 02' %27.29' 31' 255' /073' 02' 925H(529' 0(5' 78((/(25<?07/'(35/279' 1%' 5239(3;'%1.' 739' .242(Q(3;'0(?' @(/0' 7' ;119' ;.742' 82' 2MH.25529' 0(5' 92/2.?(37/(10PB?1/' /1' 79?(/'0(?' (3/1' /02' .1)7' 4 152/'/(' 7%/2.' /02' 41?H 2/(13' 1%' 0(5' (3(5/2.(7' 7..73;2?23/5' 1'?7.>29' 7' ?73(%25/7/(13' 1%' 9(5H 275:.2' 739' 9(5/.:5/' 41:9' 547.42)' %7(' /1' 07Q2' /0i' 91:8 2

F' M/.74/5' %.1?' .' 97?5=5' '(3'C ' I Y'< @' 'E =' 1(' (' H'+,V' P

/' D7H12=5' 75/' 1:.775' Q1(' ((' HH' V+!' V++

(' D7H12=5' 1..25H' Q1(' Q(((' H' !"L'X 75/' 1:.375' (P1' ((' HH' V++' V+L

103' 7Q239(50' 75' 07342 1.' 1%' /02' M402I:2.X 1%R 1.9'
7?923' 75' -.25(923/' 1%' /02' 1:34(X /02' :>2' 1%' .7%/13'
75' -.(Q)' 27 X 232.7' 13@7)' 75' 1??7392.'(3' 0(2%X
9?07' 2HH2' 75' 05/' 1.9' 1%' /02' 9?(.7 /)X /02' :>2'
1%' (40?139' 75' 8 75/2.' 232.7' 1%' /02' .937342X' 739'
:33(3;' /02' 32@' 1.9' 508:./13' 75' 07342 1.' 1%' /02'
:40)' 1%' 73475/2.' 0:5'(/' @(' '82' H2.42(Q29' %(Q2' ?2?J
82.5' 1%' /02' 32@' 78(32/' 82 13;29' /1' /02' 14>(3;07?' H7./)'
739' %(Q2'(%' @2' ?7)'(34 :92' 232.7' 13@7)' /1' /02' 02 J
8:.32' H7./)' 1.9' 0:.1@' @75' H2.?(//29' /1' .2/7(3' /02'
.27/' 27' 02' :42' 1%' -1./ 739' @75' 7HH1(3/29' 1.9'
(2:/2373/' 1%' .2 739X 1 132' 7..W' .275:.2.'1%' /02' 7Q)'
739' 02.(973' 392.' 24.2/7.)' 1%' /7/2' 02' D 0(;5' 5(342'
/02(.' 75/' /23:.2' 1%' 1%%(42' 079' %1.2;132' 3132' 1%' /02(.' 734(23/'
7((5/14.7/(4' 2M4 :5(Q23255' Q23' :.>2' ?7/40 255' 75' @75'
0(5';23(:5' @75' 923(29' 7' 527/' (3' 7' 78(32/' @0(40' 079' (/'
31/' 8223' %1.' 0(5' 8.((73/' 2 1I:2342' 739' :3/(.(3;' (/2.7.)'
739' -7.(7?23/7.)' 73/7;13(5?' ?(;0/' 32Q2.' 07Q2' 8223'
47 29' (3/1' 2M(5/2342' 02' H15/' 7HH1./(1329' /1' 0(?' @75'
/07/' 1%' -7)?75/2.' 1%' /02' 1.425' ' 1' D((7?' -(//' @75'
/2392.29' /02' :4.7/(Q2' 5(/:7/(13' 1%' (42' .275:.2.'1%' .2 739'
8:/' 02' 079' H.2Q(1:5)' 739' 51?2@07/' H.25:?H/:1:5)'
924 7.29' (3' /02' 1:52' 1%' 1??135' /07/' 02' @1:9' 7442H/'
31' 5:81.9(37/2' H15/F' :392.' 73)' 1Q2.3?23/%' 739' 7441.9J
(3;)' 7 /01:;0' 0(5' H.(Q7/2' ?2735' 4135(5/29' 1%' 31' ?1.2' /073'
/0.22' 0:39.29' 7')27.' /02' 1%%2.' @75' :3025(/7/(3;)' .2%:529'
3' /02' L*/0' 1%' 7.40' /02' 32@' 7..73;2?23/5' @2.2' ;762//29

U' 273(3;'31' 1%%(42' @0(40' 9(9%31/' 23/(/ 2' 0(?'/1'7'527/'(3' /02' 78(32/' 1?(31=5R
(%2' 1%'-(//' Q1 '('H' AA# 9' !"+!

/' N 1' 7..1;73/' 7' 924 7.7/(13 0' 1852.Q25' D 7 H1 2' N %.1?' 7' 81)' @01' 079' ;7(329'
31' 2MH2.(2342' %.1?' 31.' 2Q2.' 23%1)29' 2Q23' /02' 1@25/' H15/' (3' 73)' 1%%(42' 739' @01'
%1.'07 %' 7' 91623' 1.7/(135' 2M/.71.9(37.)'(39229<P83/' 31' 2Q(92342' 1%' 47H74(/)' %1.'835(R'
3255<H.25:?29' :?52 %' %(/' %1.' 41?? 739' H.1Q29' /07/' 02' @75' 7' 81)' 739' 7' Q2.)'
7?8(/(1:5' 739' 7' Q2.)' Q7(3' 132' (1' ?1?23/' 02' 57/' 91@3' 02' @75' 7@7.2' 1%' 0(5'%1)'
739' 57(9' 02' 41:9' 8(/2' 0(5' /13;:2' 1:/' %1.' @07/' (/' 079' ://2.29 0' U ' ?
U 1'(('H'#!S' 2/' (3' 255' /073' /@2 Q2' ?13/05' 7%/2.' 0(5' ?7>(3;' /0(5' %7?1:5' 924 7.7J
/(13' (/' %2 '/1' /02' 1/' 1%' N'/(2' 81)0' /1' 81' 31/' 13)' 1%%2.29' 8:/' /1' .2%:52' /02' -.2?(2.J
50(H

W# ' H "7 ' -' ' ' "VV

@(/0' /02' :5:7 ' H0.7521 1;) < N' 02' ? ;' 075' 8223' H 27529' /1' 4135/(/:/2' 739' 7HH1(3/' /02' ?15/' 0131:.78 2' 07. 25' 7.I:(5' 1%' 14 93;07?' 1.9' 103' 7Q239(50' n4 ' n4 0' < C #;@' (5' 57(9' /1' 07Q2' 8223' 1.9' 1./0=5' 2M4 7?7J /(13' 13' .279(3;' /02' 762//2 < N@0)T' ' 07Q2' 1%/23' 8223' 78:529' %1.')(3;' 762//25')2/' /02.2' 7.2' ?1.2' (25' (3' /0(5' 5(3;2' 762//2' /073' (3' 7 ' ?(32' H:/'/1;2/02.0F

' /' @75' 13' /02' 57?2' 97)' /02' +$/0' 1%' 7.40' 13' @0(40' /02' (3;' @75' .29:429' /1' 79?(/' 1.9' 14>(3;07?' (3/1' /02' 0 .1)7' 4 152/' /07/' 02' 799.25529' /02' %1 1@(3;' 7%%24/(137/2' 31/25' /1' /02' /@1' 5/7/25?23' @01?' 02' H2.5137)' 1Q29' /02' 825/' 739' @(/0' @0152' 52.Q(425' 02' /02' ?15/' .2:4/73/)' 9(5H23529X<

' ' ' 'T ' '7

/V-' <) ' !$"+

N' 1.9' 7./?1:/0

N 01:;0' ' 07Q2' 9(.24/29' 1.9' 1./0' /0(5' ?1.3(3;' /1' 74I:7(3/' 7 ' /02' 78(32/' /07/' /02)' ? :5/' 41?2' 739' .25(;3' /02(.' .25H24/(Q2' %%(425' 82%1.2' /02' 2Q22' /0(5' 97)' 75' ' /0(3>' (/' @1: 9' ?7>2' 73' 199' ?29 2)' /1' 522' 51?2' /02.2'>(55(3;' 07395' @0(5/' 1/02.5' 7.2' /1' .25(;3' /02.2%1.2' ' 507 ' (%'H155(8 2' 82' 7/' /' 7?25=5' 82%1.2P' 132' %1.' ' 0' "

N' ' 1@3' ' 41:9' 31/' 2/' 1.9' 7./?1:/0' 027.' /0(5' @(/01:/' @.(/(3;' 0(?' 7' %2@' (325' /1' 7Q2.' 01@' Q2.)' 327.' 02' @(' 7 @7)5' 82' /1' ?)' 027./' 739' /07/' ' 07Q2' 2Q2.' 25/22?29' 0(?' 5(342' ' 07Q2' /01.1:;0)' >31@3' 0(?' (3' 731/02.' (;0/' /073' 73)' 1%' 0(5' 41?J H73(135' (3' (3(5/.)' D 07/' 97)5' (/' 075' H 27529' /02' ?(;0/)' /1' H 742' ?2' (3' ' @023' 1.9' 7./?1:/0' 473' 82' 7' ?73' /1' 82' .2?1Q29' 8:/' 7/' 0(5' 1@3' .2I:25/' :/' ' 47331/' 41?H 7(3' ' 791.2' /02' D(' 1%' -.1Q(92342' 739' @(' 2Q2.' .25(;3' ?)52 %' 1829(23/)' /1' (5' D(')' 027./' (5' /11' %:' /1' 57)' ?1.2 0' %

' 8 ' ' 0 ' ! #

N' <) '+$' !$"+

N /' 23;/0' /02' %7/7' 97)' (5' 41?2' @0(40' /02' ?(5%1./:325' 1%' /02' /(?25' 739' /02' 5:9923' 4073;2' 1%' 523/(?23/5' 1%' /02' 1:52

F' D7H12=5' 2//2.5' Q1' Q((' H' +!!'
]' A:7./2.)' 2Q(2@' Q1' 4Q' H' S$V

' ' +

1%‘ 1? ?135‘ 07Q2‘ 9.(Q23‘ ?2‘ /1‘ 1%‘ 4073;(3;‘ ?)‘ (3(5/2.5‘ 739‘ 7‘ ?1.2‘ ;232.7‘ .2?1Q7‘ 1%‘ 1/02.‘ H2.5135‘ /073‘ ‘ 82 (2Q2‘ 2Q2.‘ @75‘ (31@3‘82%1.2‘ ‘ 07Q2‘ /1‘ /02‘ 75/‘%1:;0/‘%1.‘ (39(Q(9:75‘8:/‘/02‘ 3:?82.‘ ‘ 07Q2‘ 57Q29‘ 2M42H/‘ ?)‘ 29407?82.‘(5‘ (34.29(8)‘%2@‘ B 1:‘ @(‘ 07.9)‘ 82 (2Q2‘ /07/‘ 2Q23‘ /02‘ :>2‘ 1%‘ 13/7;:F‘ @75‘ 5/.13;)‘.:3‘ 7/‘8:/‘ ‘ 924 7.29‘/07/‘ ‘@1:9‘ 51132.‘ 2/‘ 413%:5(13‘ %1 1@‘/073‘ H7./‘@(/0‘/02‘ 7/2‘ 1Q2.31.‘ 1%‘ ?)‘5135‘739‘51‘:32MJ 42H/(1378 2‘ 7‘ ?73‘X 51‘ /07/‘ 02‘ 739‘ 1.9‘ 508:?07?‘ .2?7(3‘%‘ 02‘ 2%%:5(13‘1%‘?)‘51..1@5‘075‘?792‘?2‘57)‘?1.2‘/073‘ ‘(3/23929X 8:/‘ ‘2Q2.‘ 9(9‘739‘2Q2.‘507 ‘ 11>‘13‘)1:‘75‘7‘%.(239‘75‘@2‘ 75‘ 7‘%7(/0%:‘52.Q73/ 0P

R‘ /‘ @(‘ 82‘ 5223‘ 8)‘ /0(5‘ 2//2.‘ /07/‘ 7 /01:;0‘ /02‘ (3;‘ (3‘ /02‘ 02(;0/‘ 1%‘ 0(5‘ 9(5/.255‘ ?7)‘ H155(8)‘ 07Q2‘ 8223‘ H.1J Q1>29‘ (3/1‘ 2MH.255(3;‘ 0(?52 %‘ (3‘ 73;:7;2‘^1%‘ (3=(/7/(13‘ 13‘ H7./(3;‘@(/0‘ 1.9‘ 1./0‘0(5‘ 7%%24/(135‘079‘31/‘8223‘ 7 (23J 7/29‘ %.1?‘ 0(5‘ 1 9‘ 52.Q73/‘ 32‘ 1%‘ /02‘ %2@‘ 4139(/(135‘ (39229‘%1.‘@0(40‘02‘079‘5/(H:7/29‘@(/0‘ 1.9‘ 14>(3;07?‘ 079‘8223‘7‘H235(13‘%1.‘0(5‘.2/(.(3;‘%7Q1:.(/2 R‘ N‘ ‘07Q2‘92R‘ 7.‘ ‘97.29 0‘@.(/25‘/02‘ (3;‘/1‘ 1.9‘ 1./0‘N/1‘/0152‘+ ‘ ‘ ‘ ‘ ‘L# ‘/07/‘31‘H.1Q(5(13‘@(‘82‘?792‘ 2M42H/‘%1.‘)1:‘739‘ .‘ 18(3513 0e‘ 135(92.(3;‘(39229‘ /02‘ 13;‘739‘(3/(?7/2‘(3/2.41:.52‘@0(40‘079‘2M(5/29‘82/@223‘ /02‘ (3;‘739‘ 1.9‘ 1./0‘(/‘(5‘ 9(%%(4:/‘/1‘82 (2Q2‘/07/‘/02)‘ 41:9‘07Q2‘H7./29‘@(/01:/‘%22 (3;5‘1%‘7%%24/(137/2‘.2;.2/‘13R‘ 81/0‘5(925‘ 02(.‘(3/(?74)‘079‘%.1?‘?73)‘47:525‘8223‘ 1%‘7‘?:40‘4152.‘37/:.2‘/073‘:5:7)‘2M(5/5‘82/@223‘7‘ 51Q2.2(;3‘739‘/02‘40(2%‘1%‘0(5‘41:34(5‘ 5‘81)5‘/02)‘079‘ 75514(7/29‘7?13;‘/02‘ (745‘739‘52.(3;75‘7/‘ 2@‘739‘079‘ H2.%1.(029‘(3‘/02‘57?2‘G:Q23(2‘9.7?7/(4‘H2.%1.?73425‘7/‘ 2(425/2.‘ 1:52‘!‘ 3‘51?2‘.25H24/5‘/02)‘.252?829‘2740

F‘ 75/2.‘1%‘/02‘ 1.52‘%.1?‘ 242?82.‘!$"*‘/1‘ 242?82.‘!$,*‘
/‘ 103‘524139‘ 7.‘1%‘ 508:?07?‘ .11?‘1%‘/02‘ /1 2‘9(29‘"‘ H.(‘!"!+‘7/‘/02‘ 7;1‘1%‘2(;0/)R2(;0/
‘ 1.9‘ .1:;07?=5‘ /7/25?23‘1%‘/02‘ (?2‘1%‘ 21.;2‘L‘Q1‘(‘H‘!#L‘ e‘‘5 # ‘ 3‘ !$S!‘ @1‘%(39‘ 21.;2‘/02‘ 0(.9‘/023‘ -.(342‘ 21.;2‘ H2.%1.?(3;‘/02‘407J .74/2.‘1%‘> ‘/1‘ G1.9‘ 1./0=5‘+, =‘(3‘ 99(513=5‘4 755(47‘H 7)‘1%‘N‘ 7/1 0‘ 22‘ 2//2.5‘1%‘ 7.)‘ 2H2‘ 79)‘ 2.Q2)‘H‘!S$‘31/2‘739‘7 51‘ ‘Q1‘(‘HH‘S‘V‘ 3

1/ 2.' 31/' 13)' (3' 41:3/237342' 8:/' (3' 9(5H15(/(13' 1.9'
1./0' 13' 0(5' H7./' 41: 9' 547.42)' %7(' /1' 82' ;.7/2%:' /1' 0(5'
1Q2.2(;3' %1.' /02' % 7//2.(3;' 413%(92342' 5:HH1./' 739' 7%%24J
/(13' @0(40' 02' 079' 51' 13P' 2M/23929' /1' 0(?X' @0(2 13
/02' 1/02.' 0739' @2' >31@' /07/' /02' (3;' 32Q2.' 427529' /1'
74>31@ 29;2' /02' ;(B27/' 18 (;7/(135' :392.' @0(40' 02' 7)' /1'
1.9' 1./0' %1.' 07Q(3;' 41?2' /1' 0(5' 755(5/7342' @023' /02'
:>2' 1%' .7%/13' 079' 9252./29' 0(?' (3' !$$*' (37)'
9:.(3;' /02' 75/' 2Q23/%:' /@2 Q2')27.5' 1%' /02%/'R (Q25' /02) 079'
%1:;0/' /02' 57?2' 87// 25' (34:..29' /02' 57?2' 19(:?' 739'
507.29' /02' 57?2' 0767.95' N %' ' @75' 75>29 0' @.(/25' /02'
7/2' (3;' 1%' 731Q2.' N' @0(40' (3(5/2.' /02' (3;' 9:.(3;'
?)' (%2' ;7Q2' /02' H.2%2.2342' /1' ' 501: 9' 57)' 1.9' 1./0'
:/' /02' 17 (/(13' 8.1>2' :H' /07/' 413324/(13' 739' 02' 32Q2.'
%1.1G7Q2' 0(? 0F

/02' 41:.52' 1%' /02' H2.%1.?7342' 2740' 079' /1' .23(47/' 51?2' (325' H.1H02/(4' 1%' /023R
%.(23960(H(3' 7%/2.')27.5

> a /02' %.(23960(H5' 1%' /(2' @1.' 9' 7.2' 1%/
13%292.74(25'(3'Q(42' 1.' 27;:25' 1%'H275:.2'X
:.5075'52Q2.25/'Q(./:2' %1.'(/5'875(5
395:40'7%.(23960(H'2395'31/8:')@(/0' (%2 0

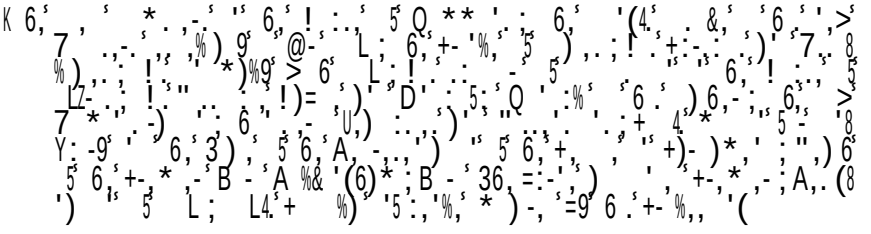
&)' '"' ' +)#

39'7;7(3

+, =# N :.%(.5/'925(;3(' ?)' %.(239' 075'H.1Q29'781./(Q2'
/ ' /02.2' .2?7(35'73'7%/2.R;7?2' /1'H 7) 0

B ' & U# +)#

F' ' 2//2.' /1' .' .1>2.



' @75 13 /02 7%/2.3113 1% /02 /0 1% H. /07/ /02 32@ (3(5/2.5 /11> /02(.' H 7425 13 /02 .275:.)' 8234025 1% /02 1:52 1% 1?? 135' 5 /02)' @7 >29' 132 8)' 132' :H /02 1:52' /02(.' 7HH27.7342 7//.74/29 7 ;119 927' 1% 1852.Q7J /(13 739 2Q23 ?(./0' 3 /0152 97)5' 2/(I:2//2 H.254.(829 /07/ /02 (3(5/2.5 1% /02 .1@3 501:9 H.2523/ /02?52 Q25 (3 -7.(7?23/ (3 1:./ 9.25525X 739 7441.9(3;)' @023 1.9 1./0 739 0(5 7/2 41 27;:25 /11> /02(.' 527/5 13 /02 HH1J 5(/(13 234025' @27.(3;' ;.27/417/5 739 811/5' 739 @023' 13 /02 1/02.' 0739' /02 32@ 52.Q73/5 1% /02 .1(Q3 7HH27.29 13 /02 (3(5/2.(7' 5(92 1% /02 1:52 7..7)29 (3 /02 (Q2.)' 1% 7 1:./ 1% @0(40 /02)' 079 8223 51 13;' /02 5)5/2?7/(4 1HH1J 323/5' /02 52357/(13 @0(40 /02 413/.75/ H.2523/29 ?7)' 82 .279( )' (?7;(329' 15/ .2?7.>78 2 7?13;' /02?' @2.2 /02 %(;:.25 1% 1M 739 :.>2 @01' (3 (2:' 1% /02(.' %1.?2.' 8:2 739 8:%%:3(%1.?5' /02 9(5/(3;:(50(3;' 41 1:.5 1% /02 ?2.(473 H7/.(1/5' 31@ 7HH27.29 (3 /02(.' 32@ H 7425 H.73>29 1:/ (3 7429 .:%% 25' 5@1.95' 739 H2.%:?29 07(.RH1@92.' 0(5 91:8 2 /.735%1.?7/(13' 7441.9(3;' /1 73 2)2 @(/3255' H.2J 523/29 132 1% /02 ?15/ 7?:5(3;' 542325 02 079 2Q2.' @(/R

((25529' /' H.19:429' 7?13;' 1/02.' H 27573/.(25' 7' G1>2' %.1?' 1.9' :;23/' @0(40' .7H(9)' 4(.4: 7/29' /0.1:;0' 739' 14475(1329' ?:40' ?23(?23/' (3' /02' 1:52 R' /' 07HH2329' /07/' 0(5' 1.950(H=5' 01:52' (3' .27/' 21.;2' /.22/' 079' .2423/)' 8223' 8.1>23' (3/1' 8)' /0(2Q25' 13' @0(40' 14475(13' 7?13;' 1/02.' 7./(4 25' 47..(29' 1%%' 079' 8223' 52Q2.7' H7(.5' 1%' 7429' .:%% 25' R@0(40' 07Q(3;' 8223' H:8 (4)' 739' 2M/235(Q2)' 79Q2./(529' 739' ?0?/2)' 9254.(829' 079' .2392.29' /02' .1882.)' %7?((7.' /1' 2Q2.)' .2792.' 1%' 7' 32@5H7G 2.' D023' /02.2%1.2' (3' /02' 41:.52' 1%' /02' 2Q23(3;' 7' %.(239' 07HH2329' /1' 231:(.2' 1%' 1.9' :;23/' @02/02.' 02' 079' 9(541Q2.29' 73)' /.742' 1%' 0(5' 5/1 23' H.1H2./)' /02' 2)2' 1%' /02' @(/' 37/:.7)';' 73429' /1@7.95' /02' 32@' (3(5/2.5' N' D 0) O' 02' 57(9' N' ' 47331/' 2M74/)' 57)' /07/' ' 07Q2X)2/' ' 50.2@9)' 5:5H24/' /07/' ' 522' 51?2' 1%' ?)' .:%% 25' 13' /02' 07395' 1%' /02' ;23/ 2?23' 31@' 144:H)(3;' /02' .275:.)' G 234025 O' F

02' (3;' (3' 799(/(13' /1' 0(5' ;232.7' 7Q2.5(13' /1' /02' D 8(;5' 75' 7' H7./)' (?7;(329' /07/' 02' 079' 3(73)';119' .275135' H2.5137' 75' @2' 75' H1 (/(47' %1.' 82(3;' 1%%23929' @(/0' 739' 9(5 (>(3;' 0(5' 32@' (3(5/2.5' 2' 9(5 (>29' /02?' 8247:52' 02' 82 (2Q29' /02' ?275:.25' @0(40' /02)' 79Q147/29' /1' 82' H.2;J 373/' @(/0' H2.(' /1' /02' 135/(/:/(13X 8247:52' 02' %2 /' /07/' /02' (3% 7??7/1.)' 73;:7;2' 92 (Q2.29' 8)' /02?' %1.' 7' 13;' /(?2' H75/' (3F -7. (7?23/<P 73;:7;2' /11' 1%/23' (/' (5' /1' 82' %27.29' 5H1>23' %1.' ?2.2' H7./)' H:(BH1525<079' ;132' %7.' /1' (34(/2' /02' ?2.(4735' /1' .282 (13X 739' 75/)' 8247:52' /02' 9?(3(5/.7/(13' @0(40' /02)' 079' %1.429' :H13' 0(?' (35/279' 1%' 82(3;' 7' 41?H74/' 739' Q(;1.1:5' 132' 70279)' 27.329' @(/0(3' (/' /02' 52295' 1%' 9(55235(13' 739' 928((/)' 1.21Q2.' /02.2' @2.2' /0152' 7?13;' 0(5' 32@' 52.Q73/5' @01' 079' .2392.29' /02?52 Q25' (39(Q(9:7)' 1831M(1:5' /1' 0(?' 02' :>2' 1%' .7%/13=5' 7873913?23/' 1%' /02' 1Q2.3?23/' (3' !$$*' 5/(' .73> 29' (3' /02' (3;=5' ?(39' 1.9' 02 8:.32' 079' 31/' 3)' ?792' 7' H2.5137' 7//74>' :H13' 0(?' /@1')27.5' H.2Q(1:5)' (3

F' D.7M7 =5' (5/' 2?1(.5' Q1' (((' HH' +$' +"

/ (2 1:52 1% 1.95 F 8:/ 079 .2423/) ;(Q23 0(?' 799(/(137 1%%2342 8) 73 2M75H2.7/(3;' /(.792 @0(40 02 079 92 (Q2.29 (3 /07/ 1:52 7;7(35/ 1.95 1./0 739 /1.?13/% 1.9 103 7Q239(50 @2 7.2 /1 9 N@75 31@ H:3(50(3;' /02 (3;' 13 7441:3/ 1% /02 /.27/?23/ 0(5 8.1/02. /02 7/2 :>2 1% 2Q1350(.2 079 ?2/ @(/0 %.1?' /02 1:./ (3 !$#+ OT @0(2 1% /02 :>2 1% (40?139 /02 (3;' 41?J H 7(329 /07/ 02 079 8207Q29 /1@7.95 0(?' @(/0 N:3.2?(//29 :) H2.5137 (R4139:4/ 0< N -2.5135 0 @((/25 /02 (3;' /1 1.9 1./0 N ?:5/ 7/132 %1.' /02(.' %7: /5 82%1.2 T 473 7//2?H/ /1 %1.;(Q2 /02?' 02 :>2 1% (40?139 075 31/ H:/ 0(5 %11/ (3/1 ?)' 7H7./?23/5 %1.' 52Q23)27.5X 8:/' 31/ 413/23/ @(/0 /0(5 523/ ?2 7 ?2557;2 8)' 1.9 D2)?1:/0 /07/' /01:;0 02 32Q2. 47?2 327.' ?2' 02 75 7 (2:/2373/ 232.7 ' 75>29 ?)' 27Q2 /1 ;1 G/1 .7342 'Oe % /02 1/02.' ?2?82.5 1% /02 9?(3(5/.7/(13' :33(3;' @01?' /02 (3;' 079 8223 41?J H2 29 /1 .7(52 /1 /02 H22.7;2' 079 8223 /02 H.1H152.' 1% /02 %7?1:5 251:/(13 %1.' 9(?(3(50(3;' /02 (3% :2342 1% /02 .1@3 :.;1)32' /02 32@ 1??7392.' (3 0(2% 1% /02 %1.425 (3 .2 739' 079 .2423/)' 8)' (?H (47/(13 407.;29 0(5 1Q2.2(;3 (3 -7. (7?23/ @(/0 23/2./7(3(3;' 973;2.1:5 92J 5(;35' 31/ 13)' 7;7(35/ /02 .(/(50 135/(/:/(13' 8:/ 7;7(35/ /02 :3(Q2.57' (;0/5 1% 73>(39'\ :.>2' /01:;0 /02 (3;' 079 %1.?2.)' @(5029 /1 07Q2 0(?' (3 ((5 R52.Q(42' P

K < E9 % * '( ) ?>- ' ,' ,-) 0) - %& B - .. -9 '' %,*=,- < 6 5 -.6) 5 5 B - 36, =:-' ,4. ,' %6 =: >6) ' 6,)- 6 :(6 L%, 8 -9) -9 ,-) 6, (.6 -) % : - 5 Q6)- ,.4. 6, ! : 5 Q '** . ? C Y '< 4 '> = G) ,4. B). 'U :-') . 0/ 3,, B ; R B - 'E- :(6)*4.'3) ' * ,'' 5 6, * 5 5 , -(, E,5 -' 6, '' :& 4. :=, Y:) %% ,) % , ' 5 6, 55 %, 5 @) . , ' , -) 5 6, - ') % , B - %& ' (6)*4. * ' . -9 6,) - , .)) (, %) , -) 6, - -, *)-&)= 6) = *) ' 5 - 6, :- . 5 =, (.6 > 6, (> =, 5 : 6, A %& ' (6)*+) . 0 -)L) 4. ! . @, * 0 !' < @,,..- >' 6, ' ') ' E:-&,' > : ' =,'-,) ')%Y: . '. ? 8 ' 0 ! ? , / 0 6 4 + 4 4 7

(79' .2423/)' 8241 ? 2' 7' 627 1 : 5' 79Q147/2' %1. R4 : ./7((3 ;' / (2' H7/ .137 ; 2 ' 739' @(/0' (/' /82' H1@2. ' 1% ' /82' .1@3X @0(2 1.9' 14>(3 ; 07 ? ' (3' 41352 I : 2342' 1%' 8(5' ? 192. 7/2' 78((/(25' 739' 9(7/1.)' ? 192' 1%' /. 73574/(3 ;' 8 : 5(3255 ' 41 : 9' 547.42)' 2MH24/' /1' 82' 7' %7Q1(: -(/2' @(/0' 7' ? 137.40' 8)' @01 ? ' (39 : 5/()' 739' 74/(Q(/)' @2.2' .2 ; 7.929' 75' (39(5H23578 2' I : 7 (/(25R (3' 0(5' H : 8 (4' 52. Q73/5 ' 739' @0152' 1@3' 2)2' @75' 4135/73/)' %(M29' 13' 2Q2.)' 2H7. / ? 23/' 1%' /02' /7/2 ' R R : / ' 1%' 7 ' /82' 32@' 7HH1(3/ ? 23/5 ' /07/' 1%' 07. 25' 1M' /1' 82' 24.2/7.)' 1%' /7/2' @75' 91 : 8/ 255' 8)' %7. ' /02' ? 15/' : 3R' PH7 7/78 2/1' 21. ; 2' /02' 0(. 9 ' 1' 27.)' 75' /02')27. ' ! $$+' 1M ' /023' 7' Q2.)') 1 : 3 ;' ? 73 ' 079' 922H)' 1%%23929' 0(5' 1Q2. 2(; 3)' .25(; 3(3 ;' 0(5' 527/' 7/' /02' 17.9' 1%' 9 ? (. 7 /)' U%1. ' /02' H : . H152' 1%' 1HH15(3 ;' /02' 1) 7 ' 7 . . (7 ; 2' 4/P' /02' H755(3 ;' 1%' @0(40' ? 275 : . 2' /02' (3 ;' (5P >31@3' /1' 07Q2' . 2 ; 7.929' 75' 31' 255' 25523/(7 ' /1' 0(5' 1@3' 07HH(3255' 739' H2742' 1%' ? (39 ' /073' /1' /02' @2 R1. 92. (3 ;' 1%' /02' . 1) 7 ' %7 ? ( ) N ' 2MH24/ 0' 02' @. (/25' /1' 1. 9 ' 1. /0 ' N 2Q2.)' 32. Q2' /1' 82' 28' □ ' 5/. 7(329' /1' 47. .)' /02' (' /' (5' 31/' 7' I : 25/(13' . 2 7/(3 ;' /1' 9 ? (3(5/. 7/(13 ' 8 : /' H2. 5137)' /1' ?) 52 % ' /02. 2%1. 2' ' 07Q2' 7' . (; 0/' /1' 2MH24/' 7' 027. /)' 5 : HH1. /' %. 1 ?' 2Q2.)' 132' (3' ?)' 52. Q(42 ' 739' ' 507 ' . 2 ? 2 ? 82. ' 92%7 : /2. 5 0' F' 1. 21Q2. ' (3' /02' 2) 25' 1%' /02 (3 ; ' 1M=5' 1%%2342' @75' 31/' 7' (// 2' 7 ; ; . 7J Q7/29' 8) ' /02' 92 ? 14. 7/(4' H. (34(H 25' @0(40 ' 2Q23' 7/' /0(5' 27.)' H2. (19 ' 02' 079' 82 ; : 3' /1' 79Q147/2 F' N 07. 25' 1M 0' @. (/25' (8813' /1' 1. 9'P 02%%(2 9 ' N' (5' 41 ? ? 23429' H7/. (1/ ' 28' □ ' 739' (5' 7 . 279)' 7//2 ? H/(3 ;' /1' H. 131 : 342' /02' @1. 95' " '0)' % 0)' ")' 3)' @(/0 ' @07/' 5 : 44255' /(? 2' @(' 9(5J 41Q2. ' ')25/2. 97)' 02' . 25(; 329' /02' 9 ? ((=7 /) 0' %' D (/0(3' 255' /073' 7')27. ' (39229 ' 02' . 2R23/2. 29' /02' (3(5/2. (7 ' . 73>5

$' B - ' E- : (6) *4. ' 3) . ; * , '' 5' 6, ' * ' 5' , -(, ' ' ' ' ' G' == ' ' @. %,) ' , ; . -&. ' NJ 0' J , ' / ' , -(, ' 3, >9, ' ' , -8 6,) - ' ( ) ' * ' * =, - ' 5' 6, ' . ' ' , ' L : ' (' . - ' L4. ' , ' 5' 6, ' Q ' : - .) -%) . %) 9' = . ; - ' , ; ; < [: ' 6) . ' ' ' - ,) . '' - . : * 6' [. ; ' > ' = , ' 5 -%, ')9' 6 . ' , = . ') . ' 9 : ' ' &, . 4. - ' 9 : ' > ' . ; ' 6 * ') () . ' ? T ' M " 6 ' Y ' ' ' C 2) ' ' ZK ' A, . , % ' (6,) : . '' 6, ')9 * , ' ' 5' &, . 4. ' , = . ' =9' 6, ' . ' ' . , ,) ;

75 7 1.9 1% /02 .275:.) 8:/ (3 75 @2 75 1:/ 1% 1%%(42 8(5 4139:4/ 413/(3:29 /1 82 5:48 75 /1 9(5H 2752 739 >.(R /7/2 8(5 1Q2.2(;3 D 2 ?7) ?23/(13 %1.(35/7342 /84 N (392423/ 7(1;7342 O F @(/0 @0(40 02 H.2552 9 /02 H.1J 524:/(13 1% D119%7 /02 H.(3/2. 413/(B7.) /1 /02 @(5025 1% 0(5 41 27;:25 739 /1 /02 413Q(4/(135 1% /02 1:52 1% 1?? 135 < 4139:4/ @0(40 41: 9 31/ %7(/1 82 2?87(75R 5(3;/1 /02 1Q2.3?23/ 739 @0(40 41352I:23/) @75 42./7(3 /1 ;(Q2 1%%2342 /1 /02 (3; 441.9(3;) 13 /02B !#/0 1% 28.:7.) !$$S @2 %(39 /02 7//2. @.(/(3;/1 1.9 1./0 < N 7?; .27/) # 7/ /02 H.25:?H/(13 1% 07.25 1M (3 %1.4(3;)1:/1 Q1/2 @(/0 0(?75/ 3(;0/ 8:/ 7HH.1Q2 ?:40 1%)1:.?7>(3;)1:.%((2395 Q1/2 (3 /02 ?7G1.(/) 39229 %07/)1:3;?73 075 51 /01.1:;0)475/ 1%%2Q2.)H.(34(H 2 1% 41??13 (131:.739 01325/) /07/ 02 ?:5/ 8241?2 75 413/2?H/(8 2 75 02 (5 19(1:5 01H2)1: @(2/ 0(?? 1@)1:7.2 31/ (35235(8 2 1% 0(5 4139:4/ /1@7.95)1: O% ;7(3 13 /02 +L.9 /02 (3;@.(/25 < N /0(3 4 .07.25 1M @1:9 07Q2 74/29 ?1.2 8241?(3;) /1)1:739 0(?52 % (% 02 079 78523/29 0(?52 % %(R1?/02 1:52 X %1.0(5 4139:4/(5 31/ /1 82 7//.(8:/29 /1 41354(2342 28'+S 8:/ /1 0(5 7Q2.5(13 /1 7 .25/.7(3/ O 02 32M/ 97) 1M @75 9(5?(5529 %.1?0(5 527/ 7/ /02 .275:.)

:40 /.27/?23/ @02/02. 9252.Q29 1. 31/ /02)1:3;5/7/25?73 @75 (// 2 (>2)2(/02./1 %1.;2/ 1. %1.;(Q2 .1?/0(5 H2.(19 /023 /(0(5 744255(13 /1 0(;0 1%%(42 (3 !$"+ 1M 079 413/(3:29 /1 @7;2 73 (3425573/ 739 :3J 5H7.(3;@7. 7;7(35/ /02 1:./ X 31. 75 0(5 H.15H24/5 1% 5:4J 4229(3;/1 H1@2. 079 82;:3 /1 8.(;0/23 079 0(5 73;:7;2 1. 4139:4/ 8241?2 255 (3/2?H2.7/2 3 799(/(13 /1 /02 %(-(;0/%: H(4/:.2 @0(40 (/ @(82 .2?2?82.29 02 9.2@ 1% 0(5 1Q2.2(;3 7/ /02 41??2342?23/ 1% /02 H.2523/ 25R

$) 4. B) U :-') . B / 0
C B - E- :(6)*4. 3),.*,' 5 6, *, 5 , -(,

5(13 F @2 %(39 ((?' 13 /02 39 1% 20.:77) ' 13)'%(Q2 @22>5 82%1.2 02 >(5529 07395 75 24.2/7.)' 1% /7/2 ' (35(5/(3;' (3 31 255 (35: /(3;' /2.?5 13 /02 2M(5/2342 1% 73 N (3%2.37 ' 5H:B(/ O @0(40 ' 02 57(9 ' (3 .27 (/)' 3(29 739 N 079 327.)' .:(329 /02 41:3/.) O%' 7) ' 13 /02 Q2.)' 2Q23(3;' 1% 0(5 8241?(3;' 7 (3(5/2.' 739 73 79Q(52.' 1% /02 .1@3 ' 02 079 8223 81 9 231:;0 /1 407 23;2 132 1% (/5 ?15/ 25523/(7 ' H.2J .1;7/(Q25 ' 2/ /02 32@ (3(5/2.5 ' 02 57(9 ' 827.' (3 ?(39 /07/ /02)' + # " J " *

2.)' H155(8)' 079 /02 (3;' 739 1M 8223 7%%1.929 1HH1./:3(J /(25 1% 75514(7/(3;' (3 H.(Q7/2 (%2 ' /02)' @1: 9 31/ 13)' 07Q2 :392.5/119 2740 1/02.' 82//2.' 739 Q7 :29 2740 1/02.' ?1.2 ' 8:/' 8)' ?:/:7 ' %1.827.7342 739 4134255(13 /02)' ?(;0/ /1;2/02.' 07Q2 %1(3(29 7 1Q2.3?23/ 75 5/.13;' 739 9?78 2 75 /07/ @0(40 5:852 I:23/)' 2M(5/29 :392.' /02 ?(3(5/.7/(13 1% /02)1:3;2.' -(//' /' ?(;0/ 82 7.;:29 /07/ 1M @75 /02 79Q1J 47/2 1% ?275:.25 /1 @0(40 (/ @75 Q2.)' :3 (>2)' /07/ /02

(3;' @1: 9 413523/X)2/' 7%/2.' 7 ' 1M=5 H1 (/(47 ' 1H(3(135 7/ /0(5 /(?2 @2.2 547.42)' ?1.2 (82.7 ' /073 /0152 1% -(//X 739 -(//' 82 (/ .2?2?82.29 ' 82%1.2 /02 4 152 1% /02 %1 1@J (3;')27.' @75 31/ 13)' 52 24/29 8)' /02 (3;' /1 82 0(5 %(.5/

(3(5/2.' 8:/' 9:.(3;' /02 52Q23/223)27.5 /07/ 02 %(29 /07/ H15/' 413/(3:29 /1 23G1)' /02 %: ' 413%(92342 739 5:HH1./ 1% 0(5 1Q2.2(;3' 3%1./:37/2)' 01@2Q2.' /02 (3;' 739 1M .2;7.929 132 731/02.' /0.1:;0 7 9(5/1./29 ?29(:?' 02R

(3;' 13 0(5 H7./' 41: 9P 07Q2 079 8:/ (// 2 >31@ 29;2 1% /0152 ?73)' 25/(?78 2 739 23927.(3;' I:7 (/(25 @0(40 7)' :392.' /02 5:.%742 1% 1M=5 (82./(3(5?' 739 4 7?1.1:5 79Q1J 474)' 1% /02 51Q2.2(;3/)' 1% /02 H21H 2' 2 079 32Q2.' >31@3 0(?<

JJJJJ<' "6.'6) -'6 :-
5.%)' ,).:-,' ',L%6)"(,'5'-' >,-?

$,3,') ' ' ,4'B).'U :-') .' ' ' '
' 3-' ,-(,'Q' B,>.4' ..)9.' "6,'7 * '.-) '.' 5 -,)'E-)'' ' /

(/‘ @75‘ (?H155(8 2‘ /1‘ .2?1Q2‘ 739‘ @0152‘ .2523/?23/5‘ (/‘ @1: 9‘ 82‘ (9 2‘ /1‘ 23927Q1:.‘ /1‘ 51%/23

392H23923/‘ 1%‘ 1M=5‘ H1 (/(47‘ 92 (3I:234(25‘ 739‘ H2.5137‘ (82./(3(5?‘ /02.2‘ @2.2‘ ;.1:395‘ 1%‘ 7‘ ?1.2‘ 92 (47/2‘ 37/:.2‘ @0(40‘ @2.2‘ 47 4: 7/29‘ /1‘ .2392.‘ (02‘ /.(8:32‘ 1%‘ /02‘ H21H 2‘ 25H24(7)‘ 18G24/(1378 2‘ /1‘ 21.;2‘ /02‘ 0:B9‘ /‘ /02‘ /(?2‘ @023‘ 1M‘ 739‘ 0(5‘ %.(2395‘ @2.2‘ (35/7 29‘ (3‘ 1%%(42‘ (3‘ 7.40‘ !$"+‘ /02‘ -.(342‘ 1%‘ D 7 25 < ;7)‘ 073951?2‘ 7;.2278 2‘ 739‘ 4 2Q2.< @75‘ (3‘ /02‘ /@23/(2/0‘)27.‘ 1%‘ 0(5‘ 7;2‘ 02‘ (3;‘ 079‘ 8223‘ 917/(3;)‘ %139‘ 1%‘ 0(5‘ %(.5/.81.3‘ @023‘ 7‘ 40(9‘ 2‘ 079‘ 47:529‘ 0(?‘ /1‘ 82‘ 29:47/29‘ @(/0‘ /02‘ ;.27/25/‘ 47.2‘ 739‘ 7//23J /(13‘ 739‘ 079‘ @7/4029‘ 1Q2.‘ 0(5‘ 5H0(/:7‘ @2 %7.2‘ @(/0‘ /02‘ ?15/‘ 73M(1:5‘ 5104(/:92‘ 02‘ ;119‘ 5229‘ 01@2Q2.‘ 079‘ %7 23‘ :H13‘ :3%(R:(/%:‘ 51(‘ 02‘ -.(342‘ 31‘ 51132.‘ %1:39‘ 0(?52 %2?734(H7/29‘ %.1?‘ /02‘ :3;23(7‘ /29(:?‘ 739‘ .25/.7(3/‘ 1%‘ 2@‘ -7 742‘ 739‘ :4>(3;07?‘ 1:52‘ /073‘ 02‘ 41??23429‘ ;(Q(3;‘ /02‘ 922H25/‘ H7(3‘ 739‘ 1%%2342‘ /1‘ 0(5‘ %7/02.‘ 31/‘ 13)‘ 8)‘ H:3;(3;‘ (3/1‘ 2Q2.)‘ >(39‘ 1%‘ 9287:402.)‘ XF‘ 8:/‘ 8)‘ 79Q147J /(3;‘ /02‘ H1 (/(47‘ H.(34(H 25‘ 1%‘ 0(5‘ %7/02.=5‘ 8(//2.25/‘ 232?(25‘ /‘ /02‘ 7;2‘ 1%‘ 2(;0/223‘ 02‘ @75‘ /02‘ 7442H/29‘ H7.7?1:.‘ 1%‘ /02‘ %7?1:5‘ N‘ -2.9(/7 0‘ /02‘ ;(%/29‘ 739‘ (R%7/29‘ 7.)‘ 10(3513 %‘ 2%1.2‘ 02‘ @75‘ /@23/)‘ 02‘ 079‘ 2?H 1)29‘ 0(5‘ (3%:2342‘ (3‘ 47..)(3;‘ /02‘ D(3951.‘ 2 24/(13‘ 7;7(35/‘ /02‘ 1:./‘ 3J 07HH( )‘ /11‘ 0(5‘ (82./(3(5?‘ @75‘ 31/‘ /02‘ (82./(3(5?‘ 1%‘ 7

$‘ 3‘ ‘)‘ 4‘ B).‘ U :-')‘ ‘ ‘ ‘ ‘ 0.‘ ‘ .‘ ‘ .
G‘ @)-9‘ ')-=9‘)5‘ ->)-‘ .‘ @-.‘ ‘ =‘ ' ‘ ‘ '%,‘ 3‘ 5)*‘ :‘ 5‘ -‘ 6‘ -‘ =‘):‘ 9‘ 6,-‘) ‘) ‘ 6,-‘ * 5‘ - ‘ >) 6‘):(6‘ ,-‘ 5) ‘ %) ‘) ‘ :‘ 5) ‘ * -%6) ‘ J ‘ -) ‘ ' (5-‘ *‘ 6,‘ -‘ 5 E- ‘ .‘ >6‘ 6) ‘ (5) ‘ ‘ >6 %6‘ 6‘ %:‘ ')-9‘ 55 %:‘ .‘ =‘ ‘ J ‘ Y‘ ‘ 9‘ ‘ -‘ ‘) ‘ ‘ -‘ %‘ 5‘ . ‘) ‘ ‘ ‘ ‘

;23/ 2?73‘ 1‘82‘47..(29‘01?2‘9.:3>‘1.‘/1‘82‘/7>23‘(3/1‘ 4:5/19)‘8)‘/02‘@7/40‘@2.2‘7HH7.23/)‘31‘Q2.)‘ :3%.2I:23/‘ 2H(51925‘(3‘/02‘27.)‘47.22.‘1%‘/02B02?‘/1‘/02‘/0.132‘ 392.‘/02‘7:5H(425‘1%‘0(5‘@27>‘739‘%.(Q1 1:5‘ :34 2‘/02‘ :>2‘1%‘ :?82.739‘/02‘-.(342=5‘413Q2.57/(13‘(5‘57(9‘/1‘ 07Q2‘8223‘7‘413GH1:39‘1%‘/02‘5 73;‘1%U;.11?5‘739‘/02‘ @73/13‘Q1478:7.)‘1%‘7‘8.1/02‘ 02‘ :>2<P@01‘(3‘7 :J 5(13‘/1‘0(5‘32HO2@=5‘D2 50‘H.(34(H7 (/)‘079‘/02‘879‘/75/2‘/1‘ 5/) 2‘0(5‘32HO2@‘%7?((7.)‘N‘ 7%%)‘O<>2H/‘7‘%7.1R873>‘%1.‘ 0(5‘7?:52?23/‘7/‘ :?82.739‘ 1:52‘(3‘-7 R 7 X 47..(29‘R 0(?‘/1‘/02‘1@25/‘542325‘1%‘9287:402.)‘739‘2Q23‘(3/.1J 9:429‘?132)R2392.5‘739‘5/(‘@1.52‘407.74/2.5‘(3/1‘/02‘ -.(342=5‘7H7./?23/5‘7/‘ :4>(3;07?‘ 1:52‘ 1.21Q2.‘(/‘ @75‘:392.‘/02‘ :>2=5‘(3%:2342‘/07/‘/02‘-.(342=5‘4139:4/‘U /1@7.95‘0(5‘%7/02.‘8247?2‘?7.>29‘31/‘13)‘8)‘9(51829(2342‘ 8:/‘8)‘/02‘?15/‘:39 /(%:‘413/2?H/‘ 02‘%74/‘1%‘/02‘(3;=5‘ 4135/73/‘7//2397342‘(3‘/02‘0:3/(3;R%(2 9‘7/‘/0(5‘H2.(19‘@75‘Ć 7//.(8:/29‘8)‘/0152‘@01‘>32@‘0(?‘825/‘/1‘7‘91:8 2‘925(.2‘ /1‘23G1)‘?1.2‘1%‘/02‘514(2/)‘1%‘0(5‘513‘739‘/1‘>22H‘0(?‘1:/‘ 1%‘/02‘@7)‘1`2Q(‘41?H73(135‘ 2/‘2Q23‘/0(5‘/1:40(3;‘ H.11%‘1%‘H7.23/7‘7%%24/(13‘739‘47.2‘H.19:429‘31‘;119‘2%%24/‘ 2(/02.a‘:H13‘0(5‘;(F742 255‘02(.‘1.‘0(5‘5/(‘?1.2‘;.742 255‘ 8.1/02.‘ 02‘ (3;=5‘01:.‘1%‘9(3(3;‘P@023‘.25(923/‘7/‘ D(3951.‘@75‘7/‘K/0(5‘/(?2‘/0.22‘1=1 14>P739‘@023‘(3‘ 13913‘%1:.B41=4 1I>X)2/‘/02‘-.(342‘F75‘(%‘@(/O‘/02‘H?R‘ H152‘1%‘2MHO5(3;‘0(‘G%7/02.‘/IB/02K41?? 23/5‘(%‘31/‘/0292.(R‘ 5(13B1(^/(.2‘.1)7‘01:5201 9‘.7.2)‘?792‘0(5‘7HH27.7342‘7/

6,‘3%,)‘B ^-‘)‘,‘5‘‘-*,-:‘ %)‘*‘‘-‘%,:‘*)‘9‘5P>6%6‘)-‘*‘‘8 (;.6,/‘>6,,‘6,5-).‘6,-‘>,‘9J6-9,)-‘)‘-*‘‘),‘/‘%‘‘(‘)5,-‘>);.‘.6,‘>).‘O,%‘>6‘)-6,:*)‘%‘5,,‘-(>6%6‘%‘*,‘‘9%-‘‘6,-‘‘ 6,;6‘:‘5‘6,-‘5,‘!,-,‘)6‘&‘)%,)‘6,-6‘:‘‘(,5‘-‘ /6‘5‘:‘,%,*=,-/‘‘‘—,‘5-9J6-9,)-‘5‘6,-‘)(,‘!,-,*)‘.‘)‘6,-‘ >‘‘‘)‘-(.‘>,-‘‘=,%‘6,‘56‘-%9)-‘5‘-‘+=‘.‘‘-‘6,‘ -‘%‘)-%.)-‘)‘6.=-5‘%,5‘:*‘5‘6,Q‘,%‘‘5‘7:‘8 @,*-‘5‘6,-‘%6,5‘9)‘:=(-)6%)‘‘Q)-&,‘B‘‘/0

/(1329 / (23 / (7/ 81/0 (3 /02 (3;=5 413B25H1392342 75 @2 75 (3 .5 18(3513=5 2?1(.5 1% 2.52 % /02 13)' 132 1% /02 - .(342=5 %((2395 @01 (5 ?23/(1329 75 07Q(3;' 8223 7 ;1R 82/@223 13 /02 14475(13 (5 1.9 7 923X F @02.275 079 1M 079 73)' 507.2 (3 /02 9(54.29(/78 2 /.73574/(13 /02.2 473 82 (// 2 91:8/ /07/ /02 (3;' @1: 9 07Q2 (34 :929 0(5 37?2 (3 51?2 1% /02 73;.)' 41?? 23/5 @0(40 @2 %(39 0(?' 799(R255(3;' /1 1.9 1./0 13 /02 5:8G24/' N)' 2 925/ 513 0 02 @.(/25 /1 1.9 1./0 13 /02 +*/0 1% :;:5/' !$"!' N;1/ 75/)27.' (3/1 73 (?H.1H2.' 41332M(13 @(/0 73 74/.255 739 @1?73 1% (39(%%2.23/ 407.74/2.' /0.1:;0 /02 B%.(239)' 755(5/7342 1% 1.9 7 923' 2 523/ 02.' 2//2.5 739 Q2.)' %11 (50 H.1?(525 @0(40 :391:8/29)' 8)' 02.' 413J 9:4/ 502 075 47342 29 0 ' 1.21Q2.' /02 (3%2.2342 @1: 9 522?' /1 82 /07/ (/ @75 31/ /(' ?1.2 /073 /@1)27.5 7%/2.' B /02 - .(342 079 8223 (3/.19:429 /1 .5 18(3513 /07/ 1M ' ?792 02.' H2.5137' 74I:7(3/7342' @023 02 42./7(3)' 8247?2 02.' 7.923/ 79?(.2.' 0.22 /(?25 9:.(3;' /02)27.' !$"+< E(3 /02 ?13/05 1% :;:5/' 2H/2?82.' 739 1Q2?82.< @2 %(39' D7H1 2 7 :9(3;' /1 1M=5 H755(13 75 7 @2 R>31@3P 413Q(4/(13 1% /02 /(?2' 3 2H/2?82.' 02 @.(/25 /1 1.9 w 7.41:./' N 07.25 1M (5 73;:(50(3;' 7/ /02 %22/ 1% .5 18(3513 OT' G /' @75 /0(5 ;155(H @0(40 2 (4(/29 %(R1?' 21.;2 2 @)3 132 1% /0152 07HH)' 41342(/5 %1.' @0(40 02 @75 51 42 28.7/29' N D01 501:9 /02 73 1% /02 -21H 2 0 02 57(9 N (Q2 @(/0 8:/ /02 @1?73 1% /02 H21H 2 0 e

31/02.R 1%%2342' @0(40 075 8223 (?H:/29 /1 1M' @75

$ -(,'Q) ,'Q,:*(.=9')5,->)-,.'5 5 6)-' 5 ,..,L' >).'= *' '' 6,' & 5
K ! -,*'=,-)%% - (9 >) 9 6.' > 9J 6 - ' 9,)-' >6,' 5
)%% - '(@-.' A = ' '4,' ,-.,' 5 6,')5)-' 6,':',L ,% 9 >) .' 6,-'
K> 6)' -,%' Q .' >)' ' 6,')-' 5 6,'+-%,' 5 6)..' 5 - 6,-' ')-'
>6,'.,%' B - E- :(6)*4'3) *'' 5 6 ' * 5 -(' @.;3 6,'.' ' 7 -' / /
=9 6.' % * * .' %) 6)' >6) 6 ' '(I:.. 9 %) .' 6 ' <,' -* :.' .*? 5
>).') =9 6 *' 5 - 6,'-% ,-9 5 6,+-' %,4. ' ,-' ' ' ' ' 0
R) ,4,B).' U :-') ,. B 0 0 B, %, .-. 5 L4.') .. '' 5 - @-.'
A = '. ' ,- ,5:-6,-' % -- = -) '' 5- *').%)-%,')' .%)') :. ' :*, 5

((5' H.25: ?29' 5 (7.2' (3' (39: 4(3;' / (2' - .(342' 1%B D 7 25' /1' G1(3' /02' .73>5' 1%' /02' HH15(/(13' 1M' 01@2Q2. ' 13' ?1.2' /073' 132' 14475(13' 51 2 ? 3)' 923(29' /02' /. : /0' 1%' /02' 7 2;7/(13' 1' %7. ' 02' /1 9' 1.9' 7 ?258: .) ' %.1?' 2(/02. ' /0i' : >2' 1%' -1./ 739' 1.' 0(? 52 %' 07Q(3;' 73)' 925(.2' /1' 23 (5/' /02' - .(342' 13' /02' 5(92' 1%' HH15(/(13' /02)' 079' .2H27/29)' 23927Q1: .29' /1' (? H.255' 13' /02' ? (39' 1%' 0(5' - 1) 7 ' (; 03255 ' /07/' 7' - .(342' 1%' D 7 25' 501: 9' 924 7.2' 0(? 52 %' 1%' 31' H7./)' @07/2Q2. F' 0(5' 755: . 7342' 1M' (3' !$"L' .2H27/29' H2.J 5137)' /1' /02' (3; ' 3' 31' 5(3; 2' 14475(13' 02' H.1/25/29' 079' 02' 2Q2.' (35/(; 7/29' /02' - .(342' /1' 9(51829(2342X' 13' 31' 5(3; 1' 14475(13' 079' 02' 2Q2.' : //2.29' 7' @1.9' : H13' H1 (/(47' /1H(45' @0(40' 02' 501: 9' 82' : 3@((3;' /07/' 0(5' 7G25/)' 501: 9' 1Q2.027. ' 02' 1.9' 07342 1. ' 7441.9(3;' /1' 1M' @75' /02' 7: /01.' 1%' /02' %7 52' 75H2.5(135' @0(40' 079' 8223' 7 1@29' /1' %(39' /02(.' @7)' /1' 0(5' 7G25/)=5' 27. %

: /' /01: ; 0' @2' ? 7)' 74 I : (/' 1M' 1%' /02' ; .7Q2.' 407. ; 25' /1' @0(40' @2' 07Q2' .2%2. .29' /02.2' 522 ? 5' 13' /02' 1/02.' 0739X' /1' 82' (// 2' 91: 8/' 8 : /' /07/' 0(5' 8.((73/' 514(2/)' 739' 973PB ; 2.1: 5' 2M7 ? H 2' @2.2' (39(.24/) ' 13)' /11' @2 ' 47 4: 7/2GG' / ' (3% : 2342' /02' 4139: 4/' 739' /1' 413/7 ? (37/2' /02' 3(2.7(5' %/02' ; (99)' 02(.' /1' /02' /0.132' 23(1.' /1' /02' - .(342' 8)' /0(./223')27.5 < (? ? 192.7/2)' 799(4/29' /1' @1 ? 23' 739' /02' H 7)RP' /78 2 < 92 (; 0/(3;' (3' 413Q(Q(7 (/)' 739' @(9' %.1 (4 < 7' 5H239J /0.(%/' 1%' 0(5' ? 2735' @0232Q2.' 02' H15525529' 73) < 739' 75/)RP' 8)' 0(5' @(/' 0(5' ;23(: 5' 7H9' 7 ? (78((/) ' 475/(3;' 7' B; (//2.(3;' /01: ; 0' 7./(%(4(7 ' (; 0/' Q2.' 0(5' (82./(3(5 ? ' (/' @75' (// 2' /1' 82' 2MH24/29' /07/' /02' - .(342' 501: 9' H755' : 3547/029' /0.1: ; 0' 51' H2.(1: 5' 73' 1.927' 75' 07. 25' 1M=5' %.(23950(H' 07/' /02)' (Q29' (3' /02' 4 1525/' (3/(? 74)' /02.2' (5' 7 ? H 2' 2)(9232 2' /1' H.1Q2' 1.' (35/7342' 82%1.2' /02' - .(342' 079' 41 ? H 2/29B

6,' * ,' ,' ' ,' ' <' 6,' ,.)' 5 ? ' /' 6,' % ,*` ,' 5' ,' % ' ,' ,' :6).' 6,' * ,' ,' % ,' ') 6,' ,J)(,' 6) ' 6,9' ,-,' <' - %:-, ')' ' ., ,%, ' =9' JJJJJ ' JJJJJJ 5% : J.,' * 9 ' (6,' ' (

F' 1.9' 7 ? 258: .)=5 (7.(25' 739' 1. .25H ' Q1 ' ((' H ' $V' X +39' 9(/(13 ' / ' D 7 H1 2=5' 75/' 1: 3(7 5 ' 1 ' ((' H ' !L

0(5‘ /@27/(2/0‘)27.‘ @2‘ %(39‘ 0(?‘ N‘9.(3>(3;‘ .1)7)‘ @(/0‘ 1M‘ 7/‘ /02‘ .11?5‘ 1%‘/02‘ 7//2.‘ (3‘ /‘ 7?25=5‘ /.22/X‘ /02‘ -.(342‘ @75‘ 7‘ ?2?82.‘ 1%‘ .11>5=5‘ :8‘ 1%‘@0(40‘ 1M‘ @75‘ /02‘ 1.74 2‘ 739‘/02‘ (91‘X‘ 739‘ 75/)‘ %.1?‘ 7‘Q2.)‘ 27.)‘ H2.(19‘ @2‘ %(39‘ /02‘ -.(342=5‘ 2//2.5‘ /1‘ 1M‘ %7?((7.)‘ 799.25529‘ /1‘ 0(?‘ 75‘ N‘ 27.‘ 07. 25 0‘ N‘ 02‘ -.(342‘ 1%‘ D 7 25 0‘ @.(/25‘ D 7 H1 2‘ N‘079‘/0.1@3‘0(?52 %(3/1‘/02‘7.?5‘ 1%‘ 07. 25‘ 739‘ /0(5‘ (3‘ /02‘?15/‘ (392423/‘ 739‘ :39(5;:(529‘ ?7332.‘ 1M‘ 19;29‘ (3‘ /‘ 7?25=5‘ /.22/‘ 739‘ 75‘ 5113‘ 75‘ 02‘ .152‘ @0(40‘ @75‘ Q2.)‘ 7/2‘ 079‘ 7‘ HQ22‘ 1%‘ 0(5‘ %1 1@2.5‘ 739‘ 1%‘ /02‘ ?2?82.5‘ 1%‘ /02‘ 7?(3;‘ :8‘ 7/‘ .11>5=5‘ 7‘ 0(5‘ 9(54(H 25‘ (5‘ 8.(5/)‘ 8 74>‘ H2.513‘ 739‘ 507;;29‘ 8.275/‘ I:(/2‘ 1H23‘ 739‘ .7.2)‘ H:.(%(29‘ 8)‘ 73)‘ 78 :/(135‘ @75‘ @.7HJ H29‘ (3‘ 7‘ %1:‘ (323‘ 3(;0/R;1@3‘ 739‘ 0(5‘ 8:50)‘ 07(.‘ 9(5J 02Q2 29‘ 3‘ /0252‘ 4)3(4‘ @2295‘ 739‘ @(/0‘ 2H(4:.273‘ ;119‘ 0:?1:.‘ 9(9‘ 02‘ 9(4/7/2‘ 0(5‘ H1 (/(45‘ 739‘ (3‘ /0(5‘ 54011‘ 9(9‘ /02‘ 02(.‘ 1%‘/02‘ .1@3‘ 7//239‘ 0(5‘ 255135‘ 739‘ (?8(82‘/02?0%‘ 1:8/ 255‘ 7?13;‘/02‘;7)‘ 739‘ /02‘ H.1% (;7/2‘ @01‘ H.2523/29‘ /02?52 Q25‘ 7/‘ 1M=5‘ 2Q225‘/02.2‘ @2.2‘ 1/02.5‘ 75‘ @2‘ 75‘ 1M‘ @0152‘ 514(2/)‘ @75‘ 47 4:7/29‘ /1‘ H.19:42‘ 7‘ H2.3(4(1:5 2%%24/‘ :H13‘ /02‘ -.(34255‘ ?1.7 5‘ 739‘ H1 (/(45‘ /‘ .11>5=5‘ 75‘ /02‘ (3;‘ 7HH27.5‘ /1‘ 07Q2‘ 8223‘ @2‘ 7@7.2‘ (/‘ @75‘ /02‘ 4:5/1?‘ 1%‘ /08‘ -.(342=5‘ %.(2395‘ /1‘ 5H27>‘ 1%‘ /02(.‘ 1Q2.2(;3‘ @(/0‘ .(87 9‘ (..2Q2.2342‘X‘ /1‘ .(9(4:2‘0(5‘H2.5137‘H24:(7.(/(25‘ 739‘ 2Q23‘ /1‘ 7)‘ @7;2.5‘ 13‘ /02‘ H.1878 2‘ 9:.7/(13‘ 1%‘ 0(5‘ (%2‘ -155(8)‘ /02‘ -.(342‘ ?7)‘ .7.2)‘ (%‘ 2Q2.‘ 07Q2‘ 8223‘ H.2523/‘ 13‘ /0252‘ 14475(135‘X‘)2/‘ 75‘ 0(5‘ % 2395‘ @1:9‘547.42)‘ 07Q2‘ (39:;29‘ (3‘ 5:40‘ (3924234(25‘ 079‘ /02)‘ 5:HH1529‘ /02?‘ /1‘ 82‘ :3H7 7/78 2‘ /1‘ 0(?‘ /02‘ (3%2.2342‘ /02‘ (3;‘ @75‘ (>2)‘ /1‘ 9.7@‘ %.1?‘ 5:40‘ H.14229(3;5‘ ?:5/‘ 07Q2‘ 8223‘ 7‘ 9(5/.255J (3;‘ 132‘ (39229

02‘ (3;‘ 7/‘ /0(5‘ H2.(19‘ @75‘ 31/‘ 13)‘ 23/0.7 29‘ 8)‘ 7‘ H1 (/(47‘ H7./)‘ @0(40‘ 02‘ 41.9(7)‘ 9(5 (>29‘ 8:/‘ (%‘ H:8 (4

82 (2% 879 73)' %1:397/(13 (3 /.:/0' 0(5 5/7/2 1% 5 7Q2.)' @75 41?H 2/2' 23 5H1>2 1% /02 32@ 9?(3(5/.7/(13 75 /02 N 2;234) O 739 1% /02 32@ (3(5/2.5 75 /02 N 2;23/5 O ' 47.(47/:(R2 1% /02 97) < 23/(/ 29 N 02 7H/(Q2 -.(342 1.' (82./)' .:3 790 < .2H.2523/5 02 8:.32' (40?139 R 2HH2 ' 739 1M %(M(3;' %2//2.5 13 /02 (3;=5 %22/ 739 734 25' @0(2 /02 75/ /0.22 7.2 52Q2.7)' ?792 /1' 2M4 7(?' < N ' 41?? 739 /02 .9373420 < N ' 41?? 739 /02 22/O < N ' 41?? 739 /02 18 O 3 /02 ?273 /(?2' /02 @1.9' 7441.9(3;' /1' D 7 H1 2' 11>29 13 739 5?(29 7/ /02 H0231J ?2313 1% 07 %R7R91623 ;.27/ 1.95 4 7(?(3;' N 73 02.29(/7.)' 739 2M4 :5(Q2 .(;0/ O /1' .2/7(3 /02 1Q2.3?23/ (3 /02(.' %73(((25' N (>2 /02 28.2@ H.(25/0119 (3 132 /.(82 O F

135(92.(3;' /02 (3;=5 7Q2.5(13 /1' 0(5 D 0(;' (3(5/2.5' 02 522?5 /1' 07Q2 /0.1@3 ?:40 %2@2.' 9(%%(4:/(25 (3 /02(.' @7) < (%' (3 %74/' 02 /0.2@ 73)' 7/ 7 < 75 @2 ' 75 /1' 07Q2 501@3 /02?' 7 ;.27/ 927' ?1.2 B4135(92.7/(13' /073 /02)' H.1878)' 079 2MH24/29' 1.' (35/7342' (35/279 1% 0(5 (35(5/J (3;' 75 /02 32@ 78(32/ 079 73/(4(H7/29' 13 0(5 8.1/02.' /02 :>2 1% 1:425/2.' 82(3;' H 7429 7/ /02 0279 1% /02 7.?)' 1.9 14>(3;07?' 31 51132.' \'.1H1529 232.7' 13J @7)' /1' 0(?' %1.' /02 H15/ 1% 1??7392.' (3 0(2%' /073' @2 7.2 /1 9' /02 7.I:(5=5 5:(/ @75 41342929 N 75 275()' 75 0(5 1/02.' /2.?5'O%' 02 (3;' (39229' @1:9 522?' /1' 07Q2 ;.1@3 7 ?15/B (3 %7Q1:.' @(/0 0(5 >22H2.5' 5 (3J 5/73425' @2 ?7)' ?23/(13 1.9 02 8:.32 (3/(?7/(3;' /1' /02 1.9 07342 1.' 01@ N 7?7629 O 02 (5 7/ /02 7?1:3/ 1% ;23(:5 @0(40 02 075 9(541Q2.29 (3 0(5 .1)7' ?75/2.X (3 /02 1:52 1% 1??135' @2 %(39 :.>2' @(/0 /27.5 (3 0(5 2)25 GX 925473/(3;' 13 7 ?2557;2 %.1?' /02 /0.132 75 N /02 825/ 1% ?2557;25 %(=1?' /02 825/ 1% (3;5XO 739 75/)' 13 /02 57?2B 14475(13' @2 %(39 1M 9@2 (3;' 13 /02 N :3H7.7 2 29 ;.7420

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) ' 4 ' B). ' U :-') . ' ' ' ' ' '
G -:L)D4. ! . ' @%: J. ' ' ' ' S$

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@(/0' @0(40' /02' 1Q2.2(;3' 079' 41?2' %1.@7.9' / ' 7 2Q(7/2' /02' 5:%%2.(3;5' 1%' 0(5' H21H 2 F' 1.' @75' (/' (3' /02' 1:52' 1% 1?? 135' 7 132' /07/' 1M' 82;73' /1' 5H27>' (3' 73' 7 /2.29' /132' 1%' /02' -.(342' @01?' 02' 079' 51' 1%/23' 739' 51' 8(//2.)' 7//74>29' 3' /02' !+/0' 1%' H.(' 02' Q3(/25' /1' 232.7' (/6H7/.(4>< N' 02' (3;' 7HH27.5' ?1.2' 739' ?1.2' ;119R' 0:?1:.29' 2Q2.)' 97)' 739' '82 (2Q2' (5'.27)' H 27529' @(/0' /02' %/(' 2Q225' 739' 9.7@(3;R.11?5' @0(40' 02' 5225' 2Q2.)' 97) O ;7(3' 1M' @.(/25' 13' /02' !V/0< N' /0(5' /(?2' /02' (3;' 522?5' (3' H2.%24/' ;1190:?1:.' 739' 9125' 31/' 522?' /1' ?7>2' 73)' 1%' /0152' 9(%%(4:/(25' @0(40' 1/02.5' ?7>2' %1.' 0(? O%' 3' %74/' /1' /02' 75/' 97)' 1%' /02' 2M(5/2342' 1%' /02' 14>(3;07?' 9?(3(5/.7/(13' @2' %(39' (/5' 2792.5' (// 2' 75' /02)' 1Q29' /02(.' .1)7' ?75/2.' 91(3;' 7?H 2' G:5/(42' /1' 0(5' ;119' (3/23/(135' 739' ;119' %7(/0' N' -(2' %2 /' (/' (34:?823/' :H13' 0(? O 57(9' /02' :>2' 1%' (40?139' (3' /02' 1:52' 1%' 1.95' 13' /02' !*/0' 1%' :)' N' /1' 924 7.2' /07/' =0(5' 7G25/)' 079' H2.%1.?29' @(/0' 7' .2(;(1:5' 54.:H: 15(/)' 7' /07/' 02' 079' H.1?(529 OT' /(' 5/.13;2.' 13' /02' 57?2' 14475(13' @75' /02' 73;:7;2' 1%' 1.9' 02 8:.32' N' 02' 318 2' :>2 O' 02' 57(9' N' 079' 9132' G:5/(42' /1' /02' 407.74/2.' 1%' /02' 41??13' ?75/2.' @01?' /02)' 81/0' 52.Q29' (5' 7G25/)' /(79' 31/' 13)' H2.%1.?29' 7' /07/' 02' 079' H.1?(529' 8:/' 02' 079' 9132' 7' ;.27/' 927' ?1.2' /073' 02' 079' H.1?(529' @023' (/' @75' (3' 0(5' H1@2.' /~' 07Q2' 2Q7929' /02' H2.%1.?7342' 1%' /07/' @0(40' 02' 079' H.1?(529' 39' /0(5' 02' @1:9' 57)' @(/0' /.:/0< /07/' 7' -.(342' ?1.2' 9(5H1529' /1' 41?H)' @(/0' /02' @(5025' 1%' 0(5' H21H 2' 02' 82 (2Q29' 32Q2.' 57/' 13 /02' .(/(50' /0.132 Oe

' ;.742%:' 4134255(13' 13' /02' H7./' 1%' /02' (3;' /1' 0(5' 32@' (3(5/2.5' @75' 0(5' .252.Q(3;' %1.' /02(.' 9(5H157' %1:.' 7./2.5' @0(40' 079' 7H529' /1' /02' .1@3' H.2Q(1:5)' /1' /02' .25(;37/(13' 1%' 1.9' 1./0' 32' 1%' /02?' (39229' 02' 4 7(?29

F' D?M7 =5' (5/' 2?1(.5' Q1' (((' HH' S<V
]' 7.' :552 =5' 2?1.(5 5' 1%' 1M' Q1' (' HH' L!S' L!#'
(' -7.(' (5/' Q1' MM(((' 41 5' !", <,* e' '5 #' 41' !,S

%1.' 0(5' /0(.9' 513' - .(342' D ((7?' 23.) ' 7%/2.@7.95' D ((7?' /02' 1: ./0 ' 8 : /' /02' /0.22' 1/02.5' /01 : ;0' 02' @75' 73M(1 : 5' /1' 52/' 7H7 ./' /@1' 1%' /02?' %1.' /02' 7. 5' 1%' 7./?1 : /0' 739' 508 : .307? F' 02' 7 1@29' /02' : >25' 1%' (40?139' 739' 2Q1350(.2' 739' 1.9' 02 8 : .32' /1' 7HH.1H.(7/2' /1' /02?J 52 Q25' (2')1 : 3;' - .(342' 1%' D 7 25' @01' @75' H.2523/' 7/' /02' 3Q25/(/ : .2' 1%' /02' 32@' 3(;0/5' (5' 57(9' /1' 07Q2' 92J 54.(829' @(/0' ? : 40' 0 : ?1 : .' /02' 9(%%2.23/' ?7332.' (3' @0(40' 2740' .242(Q29' /02' 0131 : .' 7/' /02' 07395' 1%' 0(5' 1Q2.2(;3' 02' : >2' 1%' 2Q1350(.2' 57(9' /02' - .(342' 79Q73429' /1' /02' /0.132' 75' 7@>@7.9)' 75' 7' 4 1@3X' 1.9' 02 8 : .32' 7HJ H.174029' (/' %7@3(3;' 739' 81@(3;' 13' 2740' 5(92' 1%' 0(?' (>2' 7' 41 : ./(2.X' /02' : >2' 1%' (40?139' 7 132' 57(9' /02' - .(342' 81.2' 0(?52 %' @(/0' /02' : 32?87 . . 75529' 7(.' 1%' 7' ;23/ 2?73 %' 02' 32@' Z[((3(5/2.5' 079' 8223' 8 : /' 7' 501./' /(?2' (35/7 29' (3' H1@2.' 82%1.2' /02' 9(5 (>25F' 739' 9(%%2.23425' @0(40' 2M(5/29' 7?13;5/' /02?' 82;73' /1' 82' ?1.2' 739' ?1.2' 7HH7.23/' 739' ?1.2' 739' ?1.2' H.2G : 9(4(7' /1' /02' 52.Q(42' 1%' /02' .1@3' 1.95' 14>(3;07?' 739' 02 8(3?2' (/' (5'/. : 2' 079' 2M4073;29' 1 : /@7.9' 4(Q((/(25X' 8 : /' 32Q2./02 255' /02(.' .2H : ;37342' /1' 2740' 1/02.' 079' 32(/02.' 9(?(3(5029' 31.' 079' /02(.' H2.5137' (3/2.41 : .52' 8241?2' 255' %1.?7' 739' 41 9' 02(.' @.(//23' 41 . .25H1392342' 7/' /0(5' /(?2' . : 35 < N 1.9' 14>(3;07?' H.2J 523/5' 0(5' 41?H (?23/5' /1' 1.9' 02 8 : .32 0' n4 < 739' N' 1.9' 02 8 : .32' H.2523/5' 0(5' 41?H (?23/5' /1' 1.9' 14>(3;07? 0' n4' (' (541.9' (39229' H2.Q7929' 7 ' .73>5' 1%' /02' 1Q2.3J ?23/' : .>2' 739' 1M' 92/25/29' 02 8 : .32X' 02 8 : .32' 92/25/29' : .>2 e' 739' @75' G27 1 : 5' 1%' 1M' 1' 27.)' 75' /02' !+/0' 1%' H.(' 547.42)' /0.22' @22>5' 7%/2.' /02' 14>J (3;07?' (3(5/.)' 079' >(5529' 07395' @2' %(39' 1M' 7?23/(3;' /1' 232.7' (/6H7/.(4>' /02' @73/' 1%' : 373(?(/)' @0(40' 2M(5/29

F' D 7 H1 2=5' 75/' 1 : .37 5' Q2 ' ((' HH' V+# < $'
/' D .7M7 =5' (5/' 2?1(.5' Q1 ' (((' H' $!'
/' 14 4(3;07?' 1..25H ' Q1 ' ((' HH' S#L < S
e' (401 5=5' (=41 21/(135' H' S*

7?13;' ((5 41 27;:25' N D 2 079 7 78(32/ /0(5 ?1.3(3;0 02 @.(/25' N(3 @0(40' (3 ?)' 1H(3(13' /02.2 @2.2 ?1.2 5)?H/1?5 1% @07/ @2 079 7 @7)5 7HH.2023929 /073 079 2Q2.' 0(/02./1' 7HH27.29 0F ;7(3 1M @.(/25 /1' (/6H7/.(4>' 13 /02 +"/0<N 02 8:.32 501@5 0(?52 % ?1.2 739 ?1.2 2Q2.)' 97)'X (5 .(9(4:1:5)'G27 1:5 1% ?)' 234.1740(3;' 13 0(5 2H7./?23/' 739 @(5025 Q2.)' ?:40 /1 234.1740 :H13 ?(32' 2 07.9)' (>29 ?)' 07Q(3;' 7 2//2.' %.1?' .7//73' 1.' ?)' 07Q(3;' @.(//23 132 /1 1.9 07.2?13/' 2 7%%24/5 /02 (3(5/2.' ?1.2 739 ?1.2 2Q2.)' 97)'y739 (5' ' 82 (2Q2' H2.J %24/)' 413%(923/ /07/ /02 (3;' (3/2395 /1' ?7>2 0(?' 51' -.1Q(929 @2 473 5/7)' (3 13;' 231:;0 /1 07Q2 ;(Q23 7 ;119 5/1:/ 8 1@ /1 /02 (3% :2342 1% /02 .1D3' ' 91 31/ /0(3>' (/ ?:40 5(;3(%(25 01@' 5113 @2 ;1 1:/ 7%/2.' D 7 H1 2 9(R7@5 7 5(?(7.' H(4/:.2 1% 02 8:.32=5 G27 1:5(25 739 7./(%(425 X 744:5(3;' 0(?' 1% 52(6(3;' 2Q2.)' 1HH1./:3(/)' 1% (3;.7/(7/(3;' 0(?52 %@(/0 /02 (3;' 739 185/.:4/(3;' /02 Q(2@5 1% 1.9 14>(3;07?' 739 1M GX 2(/02.' 9(9 /02 785/.74/ %74/5 1% 9(5(>2 13 /02 H7./ 1% /02 (3;' 739 1% @73/ 1% :373(J ?(/)' 7?13;' /02?52 Q25' 4135/(/:/2 /02 13)' 9(%%(4:/(25 7;7(35/ @0(40 /02 32@ (3(5/2.5 079 /1 413/239' ' 40((3;' :>2@7.?3255 13 /02 H7./ 1% (39(Q(9:7 5 @01 1:;0/ /1 07Q2 8223 /02(.' @7.3.25/ 5:HH1./2.5' (5 8(//2.)' 41?H 7(329 1% 8)' 1M (3 0(5 41..25H1392342' 3 /02B!!/0 1% 7)' (3 7 :5(13 /1 7 ?1/(13 @0(40 1Q2.3?23/ 079 47..(29 13)' 8)' 7 ?7G1.(/)' 1%/0.22' 02 @.(/25<N 02 //1.32)' 739 1 (4(/1.' 232.7' @2.2 81/0 7;7(35/ ?2' 739 ' 079 /02 ?1./(%(47/(13 /1 92H239 %1.' 5:HH1./:H13 /02 1.9 9Q147/2' 23>(3513' 739 735%(2 9 X 0 739 (3 /02 57?2 2//2.' 02 7995<N ' 07Q2 ;(Q23)1:' 8:/ 7 5?7 ' H7./ 1% /02 47:52 1% ?)' (R0:?1:.' @023 ' 07Q2 413%(329 ?)52 % /1 /02 1:52 1% 1??135' 02 1:52 1% 1.95 075 8223 /02 ?15/ 507?2%:' 54232)1:

F 7.' :552 =5 2?1.(7 5 1% 1M' Q1 '(' H' L!S'
%' '5 #' Q1 '(' H' L!#'
(' D7 H1 2B 5 75/ 1:.37 5' Q1 '((' H' VSL

473'(?7;(32' 02' :>2' 1%' (40?139'(3'H1(3/5'@02.2'02'
@75'4 27.)'.(;0/'075'8223'9252./29'8)'2Q2.)'(3(5/2.'
H.2523/'?1.2'/073'1342' 1.9' 14>(3;07?'739' 2HH2'
@2.2'78523/0F' 31/02.'513(B42'1%'9(541.9'(3'/02' 14>(3;J
07?' 78(32/'@75'/02'73/7;13(5:.'1%'/02' 1.9' 07342 1.'
0:. 1@'@01'31/'13)'41.9(7)'9(5(>29'0(5'41 27;:25'739'
92(;0/29'(3'/0@7./(3;'/02(.'?275:.25'8:/'13'132'14475(13'
@23/'51'%7.'75'/1'9(Q(92'/02' 1:52'1%' 1.95'7;7(35/'/02?%'
N'/'@75'57(9'1%'0(?0'@.(/25' (501H'D7/513'N'/07/'(3'/02'
78(32/'02'1HH1529'2Q2.)'/0(3;'H.1H1529'31/0(3;'739'@75'
.279)'/1'5:HH1./'2Q2.)'/0(3;0G' 2Q2./02 255'@2'%(39'
/02';.27/'H2.5137;25'(3'/02' 78(32/G9(5:3(/29'75'/02)'@2.2'
(39:;(3;'(3'/02(.'G1>25'N/'?:5/'07Q2'8223'Q2.)'H.1J
Q1>(3;'/1')1:0'1852.Q29' 1.9' 02 8:.32'/1' 1M'N'/1'522'
1.9' 7?923'739'/02' :>2'1%' .7%/13'41?2'91@3'@(/0'
/02(.' " ' '/1'1:/Q1/2')1:'(3'/02' 78(32/'X0'
739'13'731/02.'14475(13'@2'%(39' 1.9' 02 8:.32'@0(5H2.(3;'
/1' 1M<N 07/' ' 232.7' 13@7)'32Q2.'H2.J
42(Q25'@023'02'075'/02'475/(3;'Q1/2'(3'/02' 78(32/0e'
3%1./:37/2)'/02'9(55235(135'7?13;' (3(5/2.5'@2.2'31/'
13)'%.7:;0/'@(/0'92/.(?23/'/1'/02(.'1@3'(3/2.25/5'8:/'/1'
/0152'1%'/02'41??:3(/)'7/'7.;2'D023'(3' HH15(/(13'/02)'
079'31/'13)'(3Q2(;029'13;'739'1:9)'7;7(35/'/02'92%24/(Q2'
5/7/2'1%'/02'.2H.2523/7/(Q2'5)5/2?'(3'-7.(7?23/<7;7(35/'
8.(82.)'739'41(:H/(13'739'7;7(35/'/02' :39:2'(3%:2342'1%'
/02' .1@3<8:/'@2'07Q2'5223'7/'275/'132'1%'/02?'/02'
:>2'1%' (40?139'H.14229(3;'/1'/02' 23;/0'1%'79Q147/(3;'
51'92?14.7/(4'7'?275:.2'75' :3(Q2.57'5:%.7;2' 1@'/023'
/07/'/02' 1Q2.3?23/'1%'/02'41:3/.)'@75'(3'/02(.'07395'(/

F'7.' :552 85' 2?1.(7 5'1) 1M'Q1'('HH'L+L<S'
/' 1.9' 7?H82 =5' (Q25'1%'/02' 07342 1.5'Q1'Q'HH'VSL<V'
(' (501H'D7/513=5' 32491/25'1%'0(5' (%2'Q1'('H'LV,
e' 0252'/.(%(3;'(34(923/5'@2.2'.2H27/29'8)' 1M'/1'0(5'32H02@' 1.9' 1 739'75'
(35/73425'1%'/02'%2(4(/)'1%'@1.95'@(/0'@0(40' 1.9' (2 8:.32'@0152' 73;:7;2'@75'
:5:7)'(3744:.7/2'41:9'14475(137)'2MH.255'0(?52%' C 'C Q Y'<4 ' '
E ='Q1'('H'SVS

?(;0/ 7Q2 8223 2MH24/29 /07/ /02) @1: 9 07Q2 /7>23 5/2H5 %1. 5@22H(3; 7@7) /0152 (3%7?1:5 .1//23 81.1:;05 7;7(35/ @0(40 /02) 079 51 %.2I:23/) H.1/25/29 739 /1 /02 41..:H/ 2M(5/2342 1% @0(40 /02 ?755 1% H1 (/(47 92H.7Q(/) @0(40 /02) ?1:3(29 1Q2. @75 ?7(3) 7//.(8:/78 2 :/ :3J 07HH( ) /02 7//7(3?23/ 1% H1 (/(47 H1@2./11 1%/23 7%%24/5 (% 31/ /02 1H(3(13B5 7/ 275/ /02 H1 (4) 1% /02 025/R(3/23/(1329 5/7/25?23 1.9 14>(3;07?(/ @1: 9 522?@75 5:9923) 52(629 @(/0 %27.5 %1./02 135/(/:/(13 X 1.9 103 7Q239(50 @75 N 9(%%(923/ 1% /02 2%%24/ 1% 0 -7.(7?23/7.) 2%133 0 X :G>2 4135(92.29 /07/ (/ @75 %.7:;0/ @(/0 .:(3 /1 /02 41:3/.) Q23 /02 :>2 1% (40?139 522?5 /1 07Q2 8223 31/ :3@((3; /1 7873913 0(5 %7Q1:.(/2 ?275:.2 (% 02 41:9 91 51 @(/01:/ 92/.(?23/ /1 0(5 407.74/2. %1. 4135(5/234) N 91 31/ @(50 0 02 @.(/25 /1 1.9 14>(3;07?N /1 /(2)1: 91@3 /1 ?) H 73 1. /1 73) H7./(4:7. ?275:.2 13) 75> /1 07Q2 /02 1??(//22 /.:5/ /1 /02?% 1. /02 ?275:.2 739 13) 413/239 %1. 82(3; 791H/29) 4.29(/ 75 @2 75 ?) 1H(3(13 8(395 ?2 /1 .2I:(.2 /0(5 0 39 02 7995<N 7?Q2.) 5:.2 /07/ 7 1??(//22 91(3; 8:/ (// 2 @(57/(5%) OF E

02 .25:/ 1% /0(5 :>2@7.?3255 ?7) 82 .279( ) :392.J 5/119 D023 13 /02 $/0 1% 7) /02 (3(5/.) 0:/ D((7?- (//(3/.19:429 (3/1 -7.(7?23/ 0(5 42 2J 8.7/29 ?1/(13 %1. 23I:(.(3; (3/1 /02 .2H.2523/7/(Q2 5)5/2? -1M 739 02.(973 @2.2 /02 13) ?2?82.5 1% /02 9?(3(5/.7/(13 1% 73) 4135(92.7/(13 @01 ;7Q2 (/ /02(. 027./) 5:HH1./ N .(239 0 @.(/25 232.7 :.;H)32 /1 (/6H7/.(4> N @75 7;7(35/ %.(239 7?13; :5 O% 1M 5H1>2 79?(.78)13 /02 14475(13 739 02.(973 @(/0 7 8.((734) %1. @0(40 /02 1:52 1% 1??135 75GP2/ 079 547.42);(Q23 0(?/02 4.29(/ N /0(3> 0 @.(/25 :.;1)32 N 32Q2. 027.9 ?1.2 @(/ /073 H7./ 1% 0(5 5H2240 7;7(35/ /02 s 1.9Z

F 14>(((;(7?-7H2.5 Q1 ((HH S"!<L
]7. :552 B5 2?1.(7 5 1% 1M Q1 (H L+!U

9Q147/2 O F : .>2 13 / (2 1/02. 0739 31/ 13) @(/002 9 0(5 5 : HH1. / %.1 ?' 0(5 %.(2395 8 : / 1HH1529 /02 ?1/(13 @(/0 7 /02 Q202 ? 2342 1% 0(5 2M4(/78 2 37/ : .2 N 3 .(97) 75/ O @.(/25 02.(973 /1 (/6H7/.(4> 13 /02 +*/0 1% 7) N : .>2 74 I : (//29 0(?52 % [[3/0 /02 ?15/ ?7;373(?1:5 (39(54.2/(13 X 7//74>29 D - (// (3 7 54.27 ?' 1% H755(13 739 5@1.2 -7. (7?23/R@75 739 7 @7)5 079 8223 H.24(52) @07/ (/ 1 : ;0/ /1 82 739 /07/ 7 H21H 2 @01 /01 : ;0/ 1% .2%1. ?(3;' (/ @73/29 /1 1Q2./ : .3 /02 135/(/ : /(13 OE -(//=5 ?1/(13 @75 32;7/(Q29 8) 7 ?7G1.(/) 1% /@23/) X /02 3 : ?82.5 82(3;' !#!' U /1 !S!' 02 2%1. ?2.5 75 1.9 747 : 7) 075 1852.Q29 B 32Q2.' 7;7(3 079 51 ;119 7 (Q(5(13 /(/02) 47..(29 /02(.' ;(R27/ ?275 : .2 (3 !"L+ G

3 /02 ?(95/ 1% /02 9(55235(135 739 G27 1 : 5(25 @0(40 9(5/.74/29 /02 78(32/ 1.9 14>(3;07?' 7%/2.' 7 /23 : .2 1% /02 -.2?(2.50(H 1% 13) %(%/223 @22>5= 9 : .7/(13 8.27/029 0(5 75/' 02 2Q23/ /11> H 742 13 /02 !5/ 1% :) !$"+' (3 /02 %(%/)R/0(.9)27.' 1% 0(5 7;2' % 41 : .52 ? : 40 27;2.3255 @75 501@3 /1 7542./7(3 13 @01?' /02 Q7473/ -.2?(2.50(H @75 (>2) /1 %7 391 : 8/29) 1M 13 7441 : 3/ 1% 0(5 .2 7/(1350(HB B/1 /02 ;.27/ D 0(;' 7?((25 0(5 /.735423973/ 78((/(25 739 /02 (39 : 5/.) @(/0 @0(40 02 079 7HH (29 0(?J 52 % /1 8 : 5(3255 @0(2 (3 1%%(42 ?(;0/ @(/01 : / Q73(/) .2;7.9 0(?52 % 75 31/ (I : 7 (%(29 %1.' /02 H15/' 2 079 .25(5/29 1% 7/2 /02 ;.27/ /2?H/7/(13 1% 0(5 (%2 /02 H 7) R /78 2 X 02 079 52 91?' 11>29 (3/1 .11>5=5 739 079 32Q2.' 1342 9(329 /02.2 5(342 /02 (3;' 079 H 7429 /02 24.2/7.)=5 27 5 (3 0(5 07395 e N 1M O B@(=(/25 D 7 H1 2 /1 733 13 /02 V/0 1% 7) N 50(325 75 ;.27/) (3 H 742 75 02 9(9 (3 HH15(/(13 /01 : ;0 (3%(3(/2)?1.2 9(%%(4 / 7 /75> 2 (5 31@ 75 (392%7/(;78 2 75P02 @75 (9 2 2 075 H2.%24/ /2?H2.

F 7. : 552 =5 2?1.(7 5 1% 1M Q1 (H L++]' '
/ 2?1(.' 1% -(//' (1;.7HO(25 H !V#
e 7. : 552 B5 2?1.(7 5 1% 1M Q1 (H L+* 31/2 8) (1.9 B 1 739 739 H L+#

739 31/ 13) ;119R0:?1:.8:/ ;119R37/:.2 739 @0(40 (5 /02 %(.5/ I:7(/) 1% 7 -.(?2 (3(5/2. (3 7 %.22 41:3/.) 075 ?1.2 41?? 13 52352 /073 73) ?73X @(/0 7?76(3;H7./5 /07/ 7.2 32(/02. 15/23/7/(1:5 31. 7%%24/29 0F 39 7;7(3 D7H12 @.(/25 /1 79) 551.) 13 /02 $/0 1% :) < N 07Q2 31 025(/7/(13 (3 57)(3; /0(3> .1M/02 %(//25/ ?73 (3 3;J 739 %1. -.(?2 (3(5/2. 57) (/ 7 1:9 739 2Q2.) @02.2 0 % 2M/ /1 1M /02 H2.513 @01 %.1?0(5 0(;0 .73> %.1? /02 (3/2;./) 1% 0(5 H.(Q7/2 (%2 739 8) 0(5 -7.(7?23/7.) 78((/(25 879 7 .(;0/ /1 75H(.2 /1 /02 -.2?(2.50(H @75 /02 :>2 1% (40?139 :/ /02.2 @2.2 4(.4:?5/73425 75 1M 739 /02 :>2 /02?52 Q25 ?:5/ 07Q2 52Q2.7) @2 >31@3 @0(40 ?((/7/29 7;7(35/ /02 Q7473/ H15/ 82(3; 413%2..29 2(/02. 13 132 1. /02 1/02. 02 :>2 %1. (35/7342 @75 :3/.74/78 2 739 :3H1H:7. / /0(5 /(?2 02 81/0 9(5J (>29 739 @75 9(5(>29 8) /02 (3; 75/) 02 @75 ?:40 /11 922H) H 29;29 /1 47( ) 1:/ -7.(7?23/7.) 739 1/02. .2%1.?5 31/ /1 .2392. 0(?7?15/ 75 ?:40 73 18G24/ 1% ?(5;(Q(3; /1 /02 41352.Q7/(Q2 524/(13 1% /02 D0(; H7./) 75 /1 /02 1.(25 /(;.27/2. @2.2 /02 9(579Q73/7;25 :392. @0(40 1M 781:.29 02 92?14.7/(4 H.(34(GP25 @0(40 02 H.1%25529 (3 41??13 @(/0 /02 :>2 < P/02 9(551 :/23255 1% 0(5 H.(Q7/2 (%2 < /02 %(M29 7Q2.5(13 @(/0 @0(40 02 @75 .2J ;7.929 8) /02 (3; < 739 75/) /02 1HH15(/(13 @0(40 02 @75 42./7(3 /1 2341:3/2. %.1? /02 02 8:.32 524/(13 1% /02 78(32/ H.2523/29 2%%24/:7 87.5 /1 0(5 82(3; .7(529 /1 /02 -.2?(2.50(H 739 /0:5 92H.(Q29 0(5 41:3/.) 1% /02 8232%(/ @0(40 (/ ?(;0/ 07Q2 1/02.@(52 92.(Q29 %.1? 0(5 /.735B 23973/ 78((/(25

% /02 1 9 N 2@475/ 2 0 1. N 14>(3;07?0 H7./) @0(40 (3 %1.?2.97)5 079 51 1%/23 739 51 7..1;73/) 9(4/7/29 /2.?5 /1 /02 1Q2.2(;3 8:/ @0(40 %1. 51?2 /(?2 H75/ 079 8241?2 ;.27/) .29:429 (3 3:?82. 739 (3% :2342 /02.2

1% (40?139 N 02.2 (5 31 ?73 (Q(3;0 @75 /02 .2J ?7.> 1% /02 (3;13 /07/ 14475(13 N8) @01? 07Q2 8223 51 ?:40 1%%23929 75 8)/02 :>2 1% (40?139 739 31 ?73 /1 @01? 7?51 ?:40 (3928/29 0F 3 /02 ?273 /(?2 /02 (3; (3 /02 9:2 739 H.1H2. 2M2.J 4(52 1% 0(5 H.2.1;7/(Q2 079 @.(//23 /1 1.9 02 8:.32 739 1%%2.29 0(3(/02 -.2?(2.50(H 7 5/2H @0(40 @75 31/ 13)Q2.) %7.%.1?82(3;H7 7/78 2 /1 /02 ?2?82.5 1%/02 14>(3;07? H7./) 8:/ @0(40 (3 /02 8.275/ 1% 1M >(39 29 73 2M/.71.9(J 37.)7?1:3/ 1%(39(;37/(13 .1?/02 01:.02(35(5/29/07/ 1.9 02 8:.32 079 41?2 (3/1 H1@2.02 079 8223 ;:(/) 1% ;.155 739 5)5/2?7/(4 9:H (4(/) 2 079 (3/.(;:29 7;7(35/ 0(5 1@3 41 27;:25 2 079 23927Q1:.29 /1 H.2G:9(42 /02 (3;7;7(35/ /02? 392./0252 4(.4:?5/73425 79929 1M 02 079 ?792 :H 0(5 ?(39 /07/ (3 /02 2Q23/ 1% 1.9 02 8:.32 4 15(3; @(/0 /02 B (3;=5 1%%2.5 31 4135(92.7/(13 501:9 (39:42 0(?/1 52.Q2 :392./02 2792.50(H 1% 5:40 7 ?73 /@75 /1 31 H:.H152 /07/ 1M=5 H2.5137 %.(2395 7 7.?29 7/ 0(5 /0.27/5 1% .25(;37/(13 23927Q1:.29 /1 9(Q2./ 0(?%.1?0(5 H:.H152 /@75 /1 31 H:.H152 /07/ /02) H1(3/29 1:/ /1 0(?/02 ;.(2Q1:5 (3G:.) @0(40 02 @75 781:/ /1 (3% (4/ 31/ 13)13 0(5 H7./) 8:/ :H13 0(5 41:3/.) /@75 (3 Q7(3K/07/ /02 :>2 1% (40?139 739 232.7 13J @7) .2?(3929 0(?/07/ /02 9(5.:H/(13 1% /02 H239(3;/.27/) 1% -2742 739 41352I:23/)/02 .232@7 1% 015/((/(25 @(/0 ?2.(47 ?(;0/ H.1Q2 /02 .25:/5 1% 0(5 .2/(.2?23/ 739 /02.2%1.2 (?H 1.29 0(?/1 413/(3:2 7/ 0(5 H15/ 7/ 275/ /(/02 41?H 2/(13 1%/02 /.27/) I:7)(3 Q7(3 7 51 (/@75 /07/ 1.9 02 8:.32 1%%2.29 0(?75 7.;2 7 507.2 1% H1@2. 739 H7/.137;2 75 (3 /02 1H(3(13 1% 0(5 .2 7/(Q2 1.9 2HH2 02 079 7 %7(.(;0/1 4 7(? % 1M 0(?52 %79?(//29 /1 D7 H1 2 /07/ 0(5 .25(;37/(13 ?(;0/ 14475(13 N 7 ;.27/

F 7. :552 =5 2?1.(7 5 1% 1M Q1 (H SVV
]1:.37 1%/02 :>2 1% .7%/13 I:1/29 (3 7. /7301H2=5 (5/1.) 1% 3;739 Q1 Q((H +$* U

927 ' 1% ?(540(2% Ó F) 2/ 02 H2.5(5/29 (3 4 (3;(3;' /1 0(5 1.(;(37 ' .251 :/(13 ' N ' 9(9 31/ /0(3> Ó 02 @.(/25 R/1 232.7 ' (/6H7/.(4>' 13 /02 S/Ó 1% :) ' N (/ 079 8223 (3 /02 H1@2.' 1% H1 (/(45 /1 ?7>2 ?2 51 ?(52.78 2 75 /0(5 4:.529 73M(2/)' 739 5:5H2352 9125 O%

3 D 2932597)' /02 L.9 ' /02 97)' H.2Q(1:5 /1 /0252 @1.95 07Q(3;' 8223 @.(//23 ' 1M ' (3 7 H.(Q7/2 7:9(2342 (3 /02 .1)7 ' 4 152/ ' H.1422929 /1 /02 :3@7..73/78 2 23;/0 1% H2.5137)' H.255(3;' :H13 /02 (3;' /02 2MH29(234)' 1% 0(5 H 74(3;' 132 1% /02 %.(2395 1% /02 7/2 1.9 14>(3;07?' 7/ /02 0279 Ú 1% /02 .275:.)' 392.' 31 4(.4:?5/73425 ' H.1878)' @1: 9 21.;2 /02 0(.9 07Q2 %2 / ?:40 (34 (329 /1 %1 1@ 1M=5 79Q(42 ' 8:/ ' 13 /02 H.2523/ 14475(13 ' 07Q(3;' 81/Ó 52352 739 G:5/(42 13 0(5 5(92 ' 02 079 (// 2 .27513 %1.' 025(/7/(13 ' 1/ 13)' 079 /02 (3;' 52 24/29 /02 (3(5/2.' @01?' 02 41354(23/ /(1:5)' 82 (2Q29 /1 82 /02 825/ I:7 (%(29 /1 47..)' 13 /OW 1Q2.3?23/ @(/Ó 79Q73/7;2 /1 0(5 4.1@3 739 /1 0(5 H21H 2 ' 8:/ ' 75 .2;7.929 /02 .2 7/(Q2 ?2.(/5 1% 1M=5 31?(322 ' /02 :>2 1% -1./ 739 ' 739 1.9 02 8:.32 ' /02.2 41: 9 82 (// 2 I:25/(13 /1 @0(40 1% /02 /@1 5/7/25?23 /02 ?229 1% 5:H2.(1.(/)' 82 13;29 ' 02 :>2 ' 75 @2 07Q2 5223 ' @75 @73/(3;' (3 79?(3(5/.7/(Q2 78((/)' 2 1I:2342 ' 739 232.;)X I:7 (/(25 @0(40 /02 (3;' 31/ 13)' %1:39 .279)' 7/ 0739 (3 /02 H2.513 1% 02 8:.32 ' 8:/ /02 7//2.' 318 2?73 @75 ' ?1.21Q2.' H15525529 1% ;.27/ H1 (/(47 ' 41:.7;2 ' 7 Q((R/:2 @0(40 @75 2Q2.' 0(;0)' Q7 :29 8)' 21.;2 /02 0(.9 ' /' @75 7 %.2I:23/ 57)(3;' 1% 2.2?)' 23/07?' /07/ 1.9 02 J 8:.32 @75 /02 13)' 5/7/25?73 02 2Q2.' 027.9 1% ' @01 9(9 31/ %27.' /02 H21H 2 'G

/ @75 13 /02 %1 1@(3;'97)' 0:.597)' 7/ /' 7?25=5 ' /07/ 3()' ' H.2Q(1:5)' /1 /02 1Q2.2(;3 ?7>(3;' 0(5 7HH27.7342 (3 /02 2Q22R407?82.' 1.9 02 8:.32 739 1M @2.2 /1 82 5223

F D7 H1 2=5 2//2.5 ' Q1 ' Q(((' H' +V+
]' 7.' :552 =5 2?1.(7 5 1% 1M ' Q1 ' (' H' S#!
' 1.9 1 739=5 2?1(.5 1% /02 D 0(;' -7./)' Q1 ' (' H' S!' #

5/739(3;‘ 7H7./‘ %(R1?‘ /02‘ .25/‘ 1%‘ /02‘ 41?H73)‘ 2Q(923/)‘ 23;7;29‘ (3‘ @7.?‘ (%‘ 31/‘ 73;.)‘ 413Q2.57/(13‘ 1M‘ (/‘ 522?5‘ 079‘ 8 :3/)‘ H:/‘ /02‘ I :25/(13‘ /1‘ 02 8:.32‘ @02/02.‘ 02‘ 079‘ 92%(3(/(Q2)‘ 7442H/29‘ /02‘ H15/‘ 1%‘ (.5/‘ 1.9‘ 1%‘ /02‘ .275:.)‘ 739‘ 07Q(3;‘ 8223‘ 735@2.29‘ (3‘ /02‘ 7%%(.?7/(Q2‘ H 7(3)‘ (3/(J ?7/29‘ /1‘ 0(?‘ 0(5‘ (3/23/(13‘ 1%‘ I :(//(3;‘ /02‘ 1Q2??23/‘ 441.9(3;)‘ 51‘ 5113‘ 75‘ 02‘ 23/2.29‘ /02‘ .1)7‘ 4 152/‘ 7%/2.‘ /02‘ 2Q22‘ 02‘ H.19:429‘ /02‘ 527 5‘ 1%‘ 1%%(42‘ @0(40‘ /02‘ (3;‘ 7%/2.‘ H7)(3;‘ 0(?‘ /02‘ 41?H (?23/‘ 1%‘ 925(.(3;‘ 0(?‘ /1‘ /7>2‘ %:./02.‘ /(?2‘ %1.‘ 4135(92.7/(13‘ @75X < 31/‘ Q2.)‘ .2 :4/73/)‘ H2.07H5 < (39:429‘ /1‘ 7442H/ F

0(5‘ Q2.)‘ 97)‘ 1M‘ .2/:.329‘ /1‘ 0(5‘ %1.?2.‘ 2Q(‘ 41:.525‘ 739‘ /1‘ /02‘ 514(2/)‘ 1%‘ 0(5‘ %1.?2.‘ 2Q(‘ 41?H73(135‘ 1.‘ (35/7342‘ 7%/2.‘ 07Q(3;‘ 23/2./7(329‘ /02‘ -.(342‘ 1%‘ D 7 25‘ 7/‘ 9(332.‘% < 13‘ @0(40‘ 14475(13‘ /02‘ 81// 2‘ (5‘ 57(9‘ /1‘ 07Q2‘ 4(.4:7/29‘ %(=22)‘ 231:;0 < 02‘ H.1422929‘ /1‘ .11>5=5‘ @02.2‘ 02‘ 5/7)29‘ /(‘ %1:.‘ 1=4 14>‘ (3‘ /02‘ ?1.3(3;‘ 739‘ /023‘ 9.1HJ H(3;‘ (3/1‘ D 0(/2=5‘ @02.2‘ 02‘ %1:39‘ 1.9‘ D 2)?1:/0 < FP132 1%‘ /02‘ ?15/‘ G1Q(7‘ 1%‘ 8113‘ 41?H73(135‘ 739‘ 132‘ 1%‘ /02‘ 07.925/‘ 9.(3>2.5‘ 1%‘ /02‘ 97) < 02‘ 57/‘ :H‘ @(/0‘ 0(?‘ /(‘ 7‘ %7.‘ 7/2.‘ 01:.XY‘ /‘ @75‘ (3‘ 7 :5(13‘ /1‘ 1M=5‘ .2/:.3‘ /1‘ /02‘ 4 :85‘ 739‘ /02‘ 7.1‘ /78 2‘ /07/‘ 7.2‘ 413;.7/:7/29‘ 0(5‘ %.(239‘ 13‘ 07Q(3;‘ I :(//29‘ /02‘ 52.Q(42‘ 1%‘ /02‘ (3;‘ 1%‘ 3; 739‘ /1‘ .25:??2‘ 0(5‘ 7 2;(7342‘ /1‘ /02‘ (3;‘ 1%‘ ;)H/‘ e‘ K

F‘ 1:.37‘ 739‘ 1..25H1392342‘ 1%‘ D((7?‘ 1.9‘ :4> 739‘ Q1 ‘ (‘ H‘ +‘ X‘ D 7 H1 2=5‘ 2//2.5‘ Q1 ‘ Q(((‘ H‘ +S‘“ X‘ 2?1.(7 5‘ 1%‘ 1M‘ Q1 ‘ (‘ H‘ SL$

E]‘ N 02‘ -.(342 0‘ @.(/25‘ (/6H7/.(4>‘ N 2MH.25529‘ ?:40‘ >(393255‘ /1@7.95‘ 0(?‘ 755:.(3;‘ 0(?‘ /07/‘ 02‘ 501:9‘ 2Q2.‘ 4135(92.‘ 1.9‘ 14>(3;07?=5‘ %.(2395‘ 75‘ /02‘ H2.5135‘ /02‘ K?15/‘ /1‘ 82‘ 92H23929‘ :H13‘ 739‘ 75‘ /02‘ 825/‘ %.(2395‘ 1%‘ /02‘ 41:3/.)‘ 0 < 4 ‘ P

E =‘ Q1 ‘ (‘ H‘ SL$

(‘ D 7 H1 2=5‘ 2//2.5‘ Q1 ‘ Q(((‘ H‘ +SV‘ 02‘ N ?(93(;0/‘ 2M4255250‘ 1%‘ 1.9‘ D2)F ?1:/0‘ 739‘ 0(5‘ H7./(7 (/)‘%1.‘/02‘ N‘82@(/40(3;‘5?(25‘ 1%‘ :.;.(39) 0‘ 07Q2‘ 8223‘ (?? 1.‘ /7 (529‘ 8)‘ :3(:5‘ Q1 ‘ (‘ H‘ !*‘ 9‘ !$,S‘ N 1.9‘ D 2)?1:/0 0‘ @.(/25‘ D .7M7 ‘ N @7 ‘ 7‘ ?73‘ 1%‘ Q2.)‘ 2?(323/‘ /7 23/5‘ /01:;0‘ 7441?H73(29‘ @(/0‘ ;.27/‘ 5(3;:7.(/(25‘ 1%‘ 40((8 .74/2.X 0(;0)‘ 413Q(Q(7 ‘@0152‘ 413Q2.57/(13‘ 23/2./7(329‘ 739‘ 92 (;0/29X 8:/‘ (3‘ 1.92./1‘ H.1%(/‘ 8)‘ 0(5‘ 514(2/)‘ (/‘ @75‘ 3242557.)‘ /1‘ %1 1@‘ 0(?‘ /1‘ DP0(/2=5‘ /1‘ 5(/‘ 91@3‘ /1‘ 5:HH2.‘ /1‘ 9.(3>‘ 922H‘ 1%‘ 4 7.2/‘ 739‘ /1‘ .2?7(3‘ 7/‘ /78 2‘ /(‘ 7‘ Q2.)‘ 7/2‘ 01:.‘ 1%‘ /02‘ 3(;0/‘ 1FN .7/02.‘ 1%‘ /02‘ ?1.3(3;‘ 0‘ @ # < 4 ‘ Q1 ‘ (((‘ H‘ $L

e‘ :4> 739‘ 1..25H1392342‘ Q1 ‘ (‘ H‘ !V

N 02' .25(;37/(13' 1%' .' 1M 0' @.(/25' 0(5' 32H02@' 1.9'
1 739' N'(5' :3I:25/(137)' 132' 1%'/02' /@1' H7557;25' 1%' 0(5'
H:8(4' (%2' ?15/'1H23' /1' 73(?79Q2.5(13' 739' ?15/' .2I3(.?;'
2MH 737/(13 0F' 07/' 1M' 13' /0(5' 14475(13' @75'(3% :23429'
75' ?:40'8)' H2.5137' 75' 8)' H7/.(1/(4' ?1/(Q25' 7HH27.5'/1' 07Q2'
8223' 7' 41?? 13' 1H(3(13' 7/' /02' /(?2'X 31.' @(/0' /02' 7?H 2.'
?2735' @0(40' H15/2.(/)' 23G1)5' 1%' @2(;0(3;' /02' ?2.(/5' 1%'
/02' 4752' 9125'(/' 522?' 275)' /1' H.131:342' 7' 9(%%2.23/' Q2.9(4/'
:40' 7/' 7 ' 2Q23/5' @75' /02' 413Q(4/(13' 2%/' 13' /02' ?(39' 1%'
0(5' 41 27;:2' 232.7' 13@7)' 739' 5:40' @75' 7 51' /02'
1H(3(13' @0(40' -(//' @01' 079' 0(/02./1' 079' 31' .27513' /1' 82'
H.2G:9(429' 7;7(35/' 1M' 2MH.25529' (3' H.(Q7/2' 75' @2 ' 75'(3'
H:8(4'%' 2Q2./02 255' 1M=5' 4139:4/' 075' 31/' 13)' 8223'
@7.?)' 92%23929' 8)' 0(5'%.(2395' 739' 79?(.2.5' 8:/' (/' @1: 9'
82' :3407.(/78 2' 31/' /1' 79?(/' /07/' 02' ?7)' 07Q2' 74/29'
7441.9(3;' /1' /02' 413Q(4/(135' 1%' 0(5' 41354(2342' N' ' 07Q2'
9132' .(;0/X ' 7?' 5:.2' ' 07Q2'X 0' 02' @.(/25' /1' .' 01?75'
.23Q(2' N' 02' :>2' 1%' (40?139' /0(3>5' Q2.)' ?:40'
1/02.@(52' 739' @(' 91' @.13;' ' 47331/' 02 H' (/' ' 7?' 5:.2'
?)' 5/7)(3;'@1: 9' 07Q2' 8223' 7' ?2735' 1%' 9242(Q(3;'/02' H:8(4'
739' 82/.7)(3;' ?)' H7./)' 739' /0252' /0(3;5' 7.2' 31/' /1' 82' 9132'
%1.' /02' 57>2' 1%' 73)' 5:HH1529' /2?H1.7.)' ;119' ' %22' /07/'
?)' 5(/:7/(13' (3' /02' 41:3/.)' ?)' H1@2.' ?)' H1H:7.(/)' ?)'
41352I:2342' 37)' ?)' 407.74/2.' 7.2' 7 ' .(5>29X 8:/' ' 07Q2'
9132' .(;0/' 739' /02.2%1.2' (3' /02' 239' (/' ?:5/' /:.3' 1:/' /1'
07Q2' 8223' @(52' %' /0(5' %7(' ?2' /02' H(7.29' %(.?7?23/'(5'
.1//233255' 739' /02' 27./0=5' 8752' 8:(/' 13' 5/:88 2 0
:/' 7 /01:;0' 1M' ?7)' 31/' 07Q2' 8223' ;:(/)' 1%' 7' 4.(?2

F' 2?1.(7 5' 1%' 1M' Q1 ' (' H' S$+

%' 1.742' D 7 H1 2' @.(/25' /1' /02' 7.' 1%' 7.41:./' 13' /02' V/0' 1%' :)' X< N' .' -(//'
075' .2/:.329' 0(5'8.(2%5' /1' 0(5'4 (23/5' 739'@(/0(3' /0(5' 01:.' /02' %(.5/' 87// 2' @(' '82' %1:;0/'
(3' /02' 1:52' 1%' 1?? 135' 82/@223' 0(?' 739' .' 1M' X' /02' %1.?2.' 924 7.(3;' 1:9)'
7;7(35/' /02' %74/(1:5' .25(;37/(13' 1%' /02' 7//2.' 0(5'(5' .' -(//=5' 73;:7;2' 31/' ?(32 0'
- ' 0 ' Q1 ' Q(((' H' +SS

3' 2?1(.5' 1%' /02' 1:./' 739' 78(32/5' 1%' 21.;2' /02' 0(.9' X' 8)' /02' : 42' 1%' :4>J
(3;07?' Q1 ' (' H' #V' 1.'/02' 57>2' 1%' 8.2Q(/)' /0(5' @1.>' @(' (3' %:/:.2' 02' .2%2..29' /1'
(3' /02' 31/25' 1%' /0252' H7;25' 75' /02' :4>(3;07?' -7H2.5

/02.2 %(22?5 (// 2 91((8/ /07/ 02 079 41? ?(//29 73 (..2R KP7/78 2 8 :392. R N .1?7 @01(3 07Q2 5223 @.(/25 1.9 2?H 2 /1 0(5 8.1/02.P B 01?75 .23Q(2 N?) 1H(3(13 (5/07/ 1M 075 :39132 0(?52 %@(/0 /02 H:8 (4 739 0(5 ?15/ R?3?7/2 %.(2395 522?1%R/0W 57?2 1H(3(13 O F 07/ 7/7 2Q23/5 82B41(3?(//29 /02 91:8 2 2..1.1% 2M7;J ;2.7/(3;0(5_1@3 (?H1./7342 739B 1% ?(547 4: 7/(3;/02 B .29(/ 1% /02BH7./) /1 @0(40 02R82 13;29 B7HH27.5 /1 82 R(39(5H:/78 2P^ B) 51?2U:3h441:3/78 2 H2.Q2.5(13 1% .27R E513(3B;PR02 879 H2.5:7929 0(?52 % /07/ /02 37/(13 47 29 %1.R B/02 :82 3% -1./739 X @02.275 /1 791H/ 7 57.J 475/(4U.W?7H0.'M'% u =7 H1 2G /(/02RB :>2R 079 8223 31?(J 37/29 1.9 o2(G%23h3/R 1% .2 739P /02.2 @2.2 H2.07H5 3H/RA((2 8/?9.29B(3%23 (3 3; 739@01 @2.2 41354(1:5 1% bO(5 2M(5/2342 Nd .2H27/29?)7HH.20235(135 @ s/1 1MZ B@.(/25 1.9 2?H 2 N/07/ /02 H21H 2@1: 9 31/ 5/739 8) 0(?K(3 0(5 7//2?H/ /1 I:(/ :H13 H.(Q7/2 ;.1:395 @0(40 %.1?/02(.37/:.2 @1: 9 7HH27./1 82 7 I:7..2 %1.1%%(425 739 31/ 7 H:8 (4 ?275:.2 @% :/31/@(/05/739(3;/0(5 739 91:8/255 ?:40 5(?(7.5235(8 2 79Q(42 %.1?/02 ?73) %.(2395 @01 1Q29 0(? 1M 2Q(923/)4:3;/1 /02 %7 52 739 %7/7 413Q(4/(13 31/ 13)/07/ 0(5 4139:4/ (3 I:(//(3;/02 1Q2.3?23/ @1: 9 H.14:.2 0(?/02 7HH 7:52 1% /02 H:8 (4 8:/ /07/ H:8 (4 1H(3(13 41?8(329 @(/0 %7?()(3/2.25/ 739 /02 ?7;(4 1% 0(5 37?2 @1: 9 2.2 13;.24139:4/ 0(?/1 H7/.137;2 739 H1@2. I:7)?(5/7>23 @75 02 (3 0(5 25/(?7/2 75 /1 /02 2%%24/ @0(40 0(5 .25(;37/(13 @75 (>2)/1 H.19:42 :H13 /02 4139:4/ 1% 0(5 H2.5137 %.(2395 2 079 2Q(923/) % 7//2.29 0(?52 % /07/ /02 ;.27/2. 3:?82. 1% 0(5 41 27;:25 < 25H24(7)0(5 .2 7/(Q25 /02 :>2 1% (40?139 739 1.9 2HH2 < @1: 9 07Q2 %1 1@29 0(? (3/1 H.(Q7/2 (%2 @02.275 /02 13)?2?J 82.5 1% /02 9?(3(5/.7/(13 @01 H7(9 0(? /07/ 41?H (R H(23/ @2.2 /02 :>2 1% -1./739 1.9 103 7Q239(50

F :4>(3;07? -7H2.5 Q1 (H V+ /' '5 #' Q1 B(H #!

:.>2'Ê739' >2.(973 P (1/(2.' 2..1.R4H?((///{' 8)' 1M' [[75 ((5' H7./(3;' [)(/0' /82' H1@2.%:' 33/237342' 739'%.(239R' 5>(H' 1%' />W' :>2' 1%' (4(3(139' 1' R%7.'(3' %74/' @75' X/>W :>2' %.1?' 7HH.1Q(3;' 1%'>(5' 4139:4/' />7/' @2' R%(39'>(.3R 31/' 13)' ^B 1:/.7;21:5 PR7/' />2' (927' 1%B'R.25(;37/(1H'O F' 83/R' (392%7/(;78 2 O' (3' >(5' 23927Q1(:=5' /7'H.2Q23/'1/>2.B 3 i ? RB 82.5' 1%' />2' 14>(3;>7(3' H7./)' %1 1R?:;R 1M=5y'2M7?H 2R ' Q23' 2HH2 ' ?:4>^75' >2' 1Q29' 1M' @75' H.2Q7(29' 3H13GF' 8)' />2' 5:H2.(1.'(H% :2342' 1%' />2RB :>2' %1'.i?7PX' %1.' h' 527513' 7/'R/>2'>279' 1%'/>2' 17.9' 1%' 9?(.7 /)SB' F' BE 2/@223' 1M' 739'/>2' :>2' 1%' (4>?139'/>(5':.(%1./:3h/2' 5/7/2B1%' 7%%7(.5' Q2.)' 327.)' H.19:429 P' 31/' 13)' 7 BH1 (/(47 ' .:H//(.2' 8:/' 7' H2.5137' I:7..2 R' ^^ 1M O' @.(/25BX D 7 H1 2X' N 82(3;'0(5' .742=5' 32H02@'/02' (>2'@75(P3(15/'1%(2G(9i9'@(/0' 0(?' !' @75' %1./:37/2)' 132' 1%_ >152'K2Q23(3;5' @(/0' /0iR' :>2'@023' 1M' 47?2' /1' 2MH15/:7/2' @(/0' 0(?' '@1:9' 07Q2' .2/(.29'8:/'/>2' :>2' H.25529' ?2' /1' /7)' 1M' @75' Q2.)' :.;23/'/02' :>2' Q2.)' %(.H7' ' (3/2.H1529'739' /1 9' 1M'/>7/'/01:;0' '@75'H2.5:7929'/>7/'31' ?73'(3' 3;739' B@75' 51' %(/' /1' 82' (3(5/2.' 75' 0(?52%')2/R!' 41:9' 31/'0:/' 9(57HH.1Q2' >(5' 739' 0(5' %.(2395' 9(5:3(/(3;' />2' H7./)' 31.' /01:;0/'/02)'079'5:%%(4(23/';.1:395'%1.' 8.27>(3;'@(/0' 1.9' 02 8:.32 ' ' 23/.i7/29' 81/0' 0(?' 739' />2' :>2' /1' 7.;:2' @(/01:/' H755(13' 739' /1' .2?2?82.' />7/' 82(3;' 5:4>' 327.' .2 7/(135' /02)' ?:5/' 41?2' /1;2/02.' 7;7(3' 739' /02.2%1.2' ' 01H29' 32(/02.'@1:9' 57)'@07/'/02' 1/02.' 41:9' 32Q2.'%1.;(Q2' !' 9(9' H.2Q23/' 73)'@7.?/0' 739' /02)'H7./29' 4(Q( )' /01:;0' 2I:7)' 9(5413/23/'@(/0' 2740' 1/02.c=e

F' :4>(3;07?'-7H2.5'Q1 '('H'V+'U

/' 7.' :552 =5' 2?1.(7 5 1%' 1M'Q1 '('H'SL$'

/' D7 H1 2=5' 75/' 1:.37 5'Q1 '(('H'VV*

e' 8(9' 1.9' 2?H 2'@.(/25'13'/02'S/0'1%' :)'/1'0(5'8.1/02.' 01?75' .23Q(2X < N' '07Q2'079'7' 13;'413Q2.57/(13'G:5/'31@'@(/0'/02' :>2'1%' (40?1:9'@01'(5':3R' 07HH)'8:/'92/2.?(329'/1';1'13'/(' /02' '8.2740'13'%7(.'H:8 (4';.1:395X'739'@02.2R' 2Q2.'1.'@0232Q2.'02'%(395' 1.9' 02 8:.32/.(HH(3;'02'075' 7HH.(629'0(?R'/07/'02'@(' I:(/'739'/02'1/02.'075'7;.229'/1'(/'@(/0'2Q2.)'522?(3;'H.1%255(13'1%'41.9(7 (/)X'739' /0:5'?7//2.5'5/739 0' 6))4 4'> 'Q1 '('H'#+' /'7HH27.5'8)'/02' :4>739'

' ' !'

02' H1(3/' (3' 1M=5' 4139:4/' @0(40' 37/:.7)' @2(;029' /02' 027Q(25/' 7;7(35/' 0(?' (3' /02' 1H(3(13' 1%' 0(5' 413/2?H1J .7.(25'@75' /02' %74/' /07/'13' 7 '(?H1./73/' H1 (/(47' I:25/(135' /02.2' 2M(5/29' Q2.)' (// 2' 9(%%2.2342' 82/@223' 1.9' 02 8:.32=5' Q(2@5' 739' 1H(3(135' 739' 0(5' 1@3' Q23' 79?(//(3;' /023' /07/' 1.9' 02 8:.32' ?7)' 07Q2' 8223' ;:(/)' 1%' 7 ' /02' 9:H (J 4(/)' 739' 40(4732.)' @(/0' @0(40' 02' @75' 407.;29' 8)' 1M' 5:.2)' (/' 7%%1.929' 31' 5:%%(4(23/' 2M4:52' %1.' /02' H.24(H(/7/2' ?7332.' (3' @0(40' /02' 7//2.' %:3;' :H' /02' 527 5' 1%' 1%%(42' /1' /02' ;.27/' 92/.(?23/' 1%' H:8 (4' 8:5(3255' 3' /02' @1.95' 5:852I:23/)' 799.25529' 8)' 1.9' 2?H 2' /1' /02' (3;' 02 787391329' /02' 1Q2.3?23/' (3' 7' 5(/:7/(13'%.1?' Q7.(1:5' .275135' /02' ?15/' 4.(/(47' 739' :H13' ;.1:395' @0(40' :H13' 2Q2.)' H.(34(H 2' H:8 (4' 739' H.(Q7/2' @2.2' 7HH7.23/)' (392J %235(8 2 0F' 1.21Q2.' 79?(//(3;' /07/' 02' ?7)' 07Q2' 8223' 74/:7/29' 8)' H:.2)' 41354(23/(1:5' ?1/(Q25' 5:.2)' 0(5' 5:852J I:23/' 4139:4/' @023' 1:/' 1%' 1%%(42' 501:9' 07Q2' 8223' Q2.)' 9(%%2.23/' %.1?' @07/' (/' H.1Q29' /1' 82' 27.)' 02' 501:9' 07Q2' 74/29' /02' (392H23923/' 739' 9(;3(%(29' H7./' 1%' 5:HH1./(3;' 0(5' 7/2' 41 27;:25' 51' 13;' 75' 02' 7HH.1Q29' 1%' /02(.'?275:.25' (35/279' 1%' 7)(3;' 0(?52 %' 75' 02' 7%/2.@7.95' 9(9' @(/0' ?23' @01?' 02' 079' 1Q2.' 739' 1Q2.' 7;7(3' 9231:3429' 75' /02' 232?(25' 1%' /02(.' 41:3/.)' /0:5' (34.275(3;' /02' .2H:;37342' @(/0' @0(40' 02' @75' .2;7.929' 8)' 0(5' 51Q2.2(;3' 739' %1.%2(/(3;' 0(5' 407.74/2.' %1.' H1 (/(47' 01325/)' (3' /02' ?(395' 1%' /01:57395' 1%' 0(5' %2 1@' 41:3/.)?23

1..25H1392342' Q1 '(' H' !S Y' /07/' 1M' 7/' /O(5' /(?2' 5H1>2' N (3' Q2.)' O7.50' /2.?5' 1%' /02' :>2' 1%' (40?139 0

F' 2//2.'/1'/02' (3;' 7.40' +L' !$"L' X 6) 4' > ' Q1 '(' H' !,#

- ‘ &&& &

02‘ 02 8:.32‘ 9?(3(5/.7/(13<-(//‘ 07342 1.‘1%/02‘ M402I:2.‘739‘ 33975‘ .27J 5:.2.‘1%/02‘ 7Q)< 1M=5‘ MH 737/(13‘1%0(5‘ 139:4/‘739‘ //74>‘13‘0(5‘%1.?2.‘ 1 27;:25< 2H)‘1%‘-(//< 1.9‘ |04 8:?1=5‘ 2%2342‘(3‘/02‘ HH2.‘ 1:52<‘ 1932)‘Q73I:(5025‘/02‘ .2340‘ 22/‘:392.‘ 2‘ .7552< 7Q7‘ 74/(45<N .27>J (3;‘/02‘ (31‘0< 2.?(37/(13‘1%/02‘ (2;2‘1%‘ (8.7/7.< 392H2392342‘1%‘ ?2.(47‘ 4>31@29;29<-2742‘@(/0‘ .7341‘ H7(3‘739‘ 1 739< ;31.7342‘1%‘ 3;(50J ?23‘13‘ ?2.(473‘ %%7(.5< 02‘ (3;=5‘ (5/.255‘7/‘/02‘155‘1%/02‘ ?2.(473‘ 1 13(45<D27>3255‘1%‘/02‘ 1Q2.3?23/< //2?H/‘/1‘4134((7/2‘ 1M< (Q7.)‘ 1%‘ 1M‘739‘-(//< 17(/(13‘1%‘ 1M‘@(/0‘ 1.9‘ 1./0< 287/25‘(3‘-7.(7?23/<‘ (3(5/2.5‘ 2%27/29< 25(;37/(13‘1%‘ 1.9‘ 02 8:.32

R ‘ / $4 ‘ %1:39‘ 8:/‘ (//2‘ 9(%%(4:/)‘ (3‘ %((3;‘ :H‘/02‘Q7473/‘H 7425‘(3‘/02‘.73>5‘1%‘/02‘ (3(5/.)‘ 1.9‘ .73/07?‘739‘ .‘ 01?75‘ 1@350239‘7%/2.@7.95‘ 1.9‘)932)‘5:4422929‘ 1.9‘ 02 8:.32‘739‘ 1M‘ 75‘ 24.2/7.(25‘ 1%‘ /7/2X 7.‘ 2?H 2‘@75‘7HH1(3/29‘ 1.9‘ (2:/2373/‘1%‘ .2 739‘(3‘/02‘.11?‘1%/02‘ :>2‘1%‘-1./739X -(//‘7/‘/02‘ 7;2‘1%‘/@23/)R/0.22‘8247?2‘ 07342 1.‘1%‘/02‘ M402I:2. E739/02‘ 1.9‘ 9Q147/2‘ 23.)‘ :3975‘7%/2.@7.95‘ 1.9‘ 2Q(2‘ .275:.2.‘1%/02‘ 7Q)‘ 0:5‘ 41??23429‘82J /@223‘/02‘/@1‘ 7//2.‘2?(323(‘?23‘/07/‘ 13;‘H1(/(47‘H7./J 32.50(H‘739‘H.(Q7/2‘%.(23950(H‘@0(40‘(/‘@75‘925/(329‘/07/‘ 927/0‘7 132‘501:9‘/2.?(37/2

02‘8 5(3255‘1%/02‘-7.(7?23/7.)‘ 255(13‘079‘31@‘8223‘ 327.)‘8.1:;0/‘/1‘7‘4 152‘ 3)‘13‘132‘14475(13<H.2Q(1:5)‘ :)‘;‘ /1‘/02‘H.1.1;7/(13‘9(9‘/02‘ 1:52‘1%‘ 1??135‘H.2523/‘7‘ 54232‘1%‘73)‘(3/2.25/‘ 3‘/07/‘ 14475(13‘2Q2.)‘2)2‘@75‘ %(M29‘13‘ 1M‘75‘9(Q25/29‘1%‘0(5‘41:./‘415/:H72‘739‘ Q27.(3;‘ 0(5‘19‘%7?((7.‘:3(%1.?‘1%‘8:2‘739‘8:%%‘02‘@7>29‘:H‘/(2‘ 1:52‘1%‘ 1??135‘739‘/11>‘0(5‘527/‘13‘/02‘ HH15(/(13R

8234025‘ 01:;0‘ 5/(‘ 13)‘ (3‘ /02‘ /0:=/)R%1:./0‘)27.‘ 1%‘ 0(5‘ 7;2‘ 02‘ .2/7(329‘ 8:/‘ 5 (;0/‘ 7HH27.7342‘ 1%‘)1:/0X‘ 31.‘ @75‘ (/‘ 275)‘ /1‘ (?7;(32‘ /07/‘ /02‘ 5 1Q23)R 11>(3;‘ 82(3;‘ @01‘ @75‘ H.2H7.(3;‘ /1‘ 799.255‘ /02‘ 1:52‘ 079‘ %1.?2.)‘ 7%%24/29‘ /02B‘ 9.255‘ 739‘ ?7332.5‘ 1%‘ /02‘ MI:(5(/25‘ 1%‘ /02‘ 97)‘ N‘ /‘ %(Q2‘ 739‘ /@23/) O‘ @.(/25‘ D.7M7 ‘ N‘ ‘ 07Q2 5223‘ 0(?‘ 7HH7.2 29‘ ‘ ‘ ‘ @(/0‘ 7‘ 07/‘ 739‘ %27/02.‘ 2Q23‘ (3‘ /02‘ 1:52‘ 1%‘ 1??135 O F‘ 1M=5‘ %(;:.2‘ @75‘ 8.179‘ 027Q)‘ 739‘ (34 (329‘ /1‘ 41(FH:2:4)‘ (5‘ %27/:.25‘ /Q2.2‘ 07.50‘ 5@7./0)‘ 739‘ 57/:.3(32‘ (3‘ 51?2‘ 92;.22‘ .2J 52?8 (3;‘ /0152‘ 1%‘ (3;‘ 07. 25‘ /02‘ 24139‘ 1%‘ @01?‘ 02‘ @75‘ /02‘ ;.27/R;.27/R;.739513‘ 02‘ ?15/‘ 5/(B(>(3;‘ %27/:.25‘ (3‘ 0(5‘ %742‘ @2.2‘ 0(5‘ 8 74>‘ 739‘ 507;;)‘ 2)28.1@5‘ @0(40‘ 7/‘ /(?25‘ 5/7?H29‘ (/‘ @(/0‘ 73‘ 7 ?15/‘ .2H:5(Q2‘ 75H24/P‘ 0152‘ 01@2Q2.‘ @01‘ 23G1)29‘ 0(5‘ %.(23950(H‘ 1.‘ ?1Q29‘ (3‘ /02‘ 57?2‘ 514(7‘ 4(.4 2‘ @(/0‘ 0(?‘ @2.2‘ 7@7.2‘ 01@‘ 9(%%2.23/‘ @75‘ /02‘ 2MH.255(13‘ @0(40‘ 0(5‘ %27/:.25‘ @2.2‘ 47H78 2‘ 1%‘ @27.(3;‘ D023‘ 73(?7/29‘ 8)‘ 413Q2.57/(13‘ 1.‘ (;0/29‘ :H‘ 8)‘ 7‘ 5?(2P /02)‘ 9(5H 7)29‘ 31/‘ 13)‘;23(:5‘8:/‘/07/‘H2.%24/‘;119‘0:?1:.‘ 739‘ /01.1:;0‘ 8232Q1 2342‘ @0(40‘ 4135/(/:/29‘ /02‘ (..25(5/(8 2‘ 407.?5‘ 1%‘ /0(5‘ 2M/.71.9(37.)‘ ?73

152‘ /1‘ 1M‘ 57/‘ 0(5‘ /@1‘ 7/2‘ 41 27;:25‘ 1.9‘ 103‘ 7Q239(50‘ 739‘ :.>2‘ 2 1@‘ 0(?‘ 57/‘ 1.9‘ 1./0‘ 1M=5‘ 92%2342‘ 1%‘ 0(?52 %‘ @75‘ 31/‘ 255‘ j0 2‘ 1.‘ 2 1I:23/‘ /073‘ 079‘ 8223‘ 73/(4(H7/29‘ 8)‘ 0(5‘ 79?(.2.5‘ D(/0‘ ;(=27/‘ 5H(.(/‘ 739

F‘ (5/1.(47‘ 2?1(.5‘ Q{(‘ ((‘ H‘ ++,‘ L.9‘ 9(/(13
E] /‘ (5‘ 3229 255‘ H2.07H5‘ /1‘ 1852.Q2‘ /07/‘ 1M=5‘ 5@7./0(3255‘ 1%‘ 41?H 2M(13‘ %1.?5‘ H7./‘ 1%‘ /02‘ H1(;3734)‘ 1%‘ /02‘ %1 1@(3;‘ 07HH)‘ I:1/7/(13‘ 1%‘ 21.;2‘ 2@)3=5‘ N‘ 2@)3=‘ @.(/25‘ .‘ 923‘ /1‘ 1.9‘ 1:;081.1:;0‘ N079‘ 7‘ 9(5H:/2‘ 15/‘ @22>‘ 781:/‘ /02‘ @X1.9‘) :7;7(35/‘ 1.9‘ D2)?1:/0‘ @01‘ 25H1:529‘ ‘])) #:‘ 02‘ 32M/‘ 97)‘ 51?2819)‘ ‘47?2‘ 739‘ /1 9‘ (((3‘ /07/‘ 07. 25‘ 1M‘ 079‘ 924(929‘ 7;7(35/‘ 0(?‘ ^ 023=57(9‘ 4@)3X‘ E‘47..)‘ 0(?‘ ? ‘ 41?H(?23/5‘ @(/0‘ /0W‘ %1 1@(3;‘ 7:/01.(/)‘ %.1?‘ /02‘ 7H281%‘ /02‘ 14>

^ ?8.(2‘7‘9:5>)‘ ?2 73401)‘5H.(/2
^ 5‘2Q2.‘5: (29‘/02‘%7(.‘%742‘1%‘ (;0/
1@3‘/1‘/02‘42.(%?C‘27./0‘0(5‘H.1H2.‘54232
2H7(.29‘/1‘527.40‘/02‘;11?)‘47Q2‘1%‘ H 223=0
` @Z S Y

]c& 4‘) ‘Q1(‘(‘H‘+,

@0(40' 079' 8223' 8.1:;0/' 7;7(35/' 0(?'0:/' .2/1./29' 8)' 7)(3;' 7 ' /02' 8 7?2' 1%' /02' .2423/' .:H/:.2' (3' /02' 78(32/' 7/' /02' 911.' 1%' 0(5' 7/2' (?H.74/(478 2' 41 27;:25' 3' /02' 5:8624/' 1%' /02(.' 7//2?H/(3;' /1' 9(4/7/2' 7' (3(5/2.' /1' /02' (3;' 1.9' 02 8:.32' @75' 25H24(7)' 52Q2.2' /' @75' /02' H.(34(H 2' 02' 924 7.29' 1%' 0(5' ?75/2.' (3' H1 (/(45' /02' ;.27/' 1.9' 07/07?' /07/' /02' 41:3/.)' 1:;0/' 13' 31' 7441:3/' /1' 82' ;1Q2.329' 8)' 73' 1 (;7.40(47' H7./)' 1.' 8)' %7?( )' 41332M(13' /' @75' /02' 4:5/1?' 02' 57(9' 7?13;' /02' 70.7//75' %1.' 7' 42./7(3' 3:?82.' 1%' H1[P2.%:' 1.95' /1' 2 24/' 7' -2(50@7' @01?'/02)' Q25/29' @(/0' /02' 7HH7.23/' H 23(/:92' 1%' H1@2.' @0(2' 02' @75' (3' %74/'U8:/' /02' 4.27/:.2' 1%' 73' 7.(5/14.74)' 739' 31/0(3;' ?1.2' /073' 7' .1)7' H7;273/' 1.' 0(?52%' 1.9' 02 8:.32' 924 7.29' N 02' @1:9' 32Q2.' 413523/' /07/' /02' (3;' 1%' 3; 739' 501:9' 82' 7' (3;' 1%' /02' 70.7//75 0' 3' /02' !!/0' 1%' :)' -7.(7?23/' @75' H.1.1;:29' /(' /02' V/0' 1%' 242?82.

02')27.' !$"+' @75' ?7.>29' 8)' ?73)' (?H1./73/' 2Q23/5' 81/0' 7/' 01?2' 739' 78.179' 275:.25' @2.2' H75529' (3' -7.J (7?23/' %1.' H.2Q23/(3;' 2M4(52?23' 739' :5/1?' 1:52' 1%%(42.5' %.1?' Q1/(3;' 7/' 2 24/(135' 739' 13/.74/1.5' 5(//(3;' 75' 2?J 82.5' 1%' /02' 1:52' 1%' 1??135X' 7' ?1/(13' @75' 47..(29' (3' /07/' 1:52' %1.' 2.75(3;' %.1?' (/5' G1:.37 5' /02' 9(5;.742%:' 739' 7.8(/.7.)' .251 :/(13' @0(40' /0(./223')27.5' H.2Q(1:5)' 079' 924 7.29' D(>25' /1' 82' (347H74(/7/29' /1' 5(/' 75' 7' .2H.2J 523/7/(Q2' 1%' /02' H21H 2X' 739' 75/)' :.>2' 8.1:;0/' %1.J @7.9' 0(5' 42 28.7/29' 8(' %1.' .2%1.?(3;' /02' (Q(' (5/' 25/78 (50?23/5' @0(40' 31/@(/05/739(3;' /02' 1HH15(/(13' @0(40' (/' ?2/' @(/0' %.1?' 1.9' 07342 1.' 0:.1@' (3' /02' 1:52' 1%' 1.95' 02' 5:4422929' (3' 473)(3;' /0.1:;0' -7.J (7?23/

5' .2;7.929' 7%%7(.5' 78.179' /02')27.' 079' 41??23429' (3' /02' 57?2' ;11?' 739' 925H139234)' @(/0' @0(40' /02' H.2Q(1:5' 132' 079' 4 1529' 3' /02' ?13/0' 1%' 7)' %1.' (35/7342' @2' 039' 1.9' 14>(3;07?' @.(/(3;' /1' /02' :>2' 1%' -1./739<' N' D 2' %22' (3' /02' ?1?23/' /02' ?15/' H.255(3;' @73/' 1%' 527?23

f' (5' 31' 524.2f' /07f' @2' 07Q2' 31@' /23' 50(H5' 1%' /02' (32' @(/0'
547.42' 7' ?73' /1' H:f' (3' /02? 0F' .(;0/2.' 97)5' 01@2Q2.'
@2.2' 781:f' /1' 97@3' 13' /02' %1./:325' 1%' 3;739' 3' 73'
(3/2.Q(2@' @0(40' (3' /02' H.2429(3;' ?13/0' 1%' 242?82.' 079'
/7>23' H742.'82/@223' (.' 21.;2' 1932)' 739' /02' (3;' /02'
7//2.' 2Q2.' H74(3;' /02' %: 25f' 413%(92342'=(3' /02' 5>(' 739'
;7 73/.)' 1%' /02' 7/)' 079' H.2Q7(29' :H13' (.' 21.;2' /1'
.2/:.3' 7f' 1342' /1' /02' D25f' 39(25' 31/@(/05/739(3;' /0W'
(35:%%(4(234)' 1%' /02' %1.42' @0(40' /02' 9?(.7/)' @75' %1.' /02'
H.2523f' 2378 29' /1' H742' :392.' 0(5' 1.92.5' 3' I:(//(3;'
/02' .1)7' 4 152/' 1932)' 07HH2329' /1' 2341:3/2.' 0(5' %(R(239(
(.' D7/2.' 7.I:07.' @01' 027./()' @(5029' 0(?' 5:44255'
7;7(35f' /02' %12' N' 73)' /073>5' /1')1:' %1.')1:.' ;119'
@(5025 0' .2H(29' 1932)' N'739' (3' .2/:.3' ' H.1?(52' /1'
8.(3;')1:' 874>' 7' H.2523f' 1%' 2' .7552 0' %' /02(.' % 7;5'
501:9' ?22/' 02' 57(9' 13' 731/02.' 14475(13' N'132' 1%':5' ?:5f'
82' 7' H(=(5132.0%' 3' /02' !$/0' 1%' 73:7.)' 02' 5:4422929' (3'
@27/02.(3;' 5073/' 3' /02' !,/0' 1%' 28.:7.)' 02' .274029'
7.879125' N' 02' %7/2' 1%' /0(5' 2?H((B2 0' @.(/25' 1.9' 739J
@(40' /1' 0(?' N(5' (3')1:.' 07395' 739' ' 07Q2' 31' .27513' /1'
@(50' /07f' (f' 501:9' 82' (3' 73)' 1/02.0=

3' /02' "/0' 1%' H.(' /02' 027.f' 1%' 1932)' @75' ;7992329'
@(/0' /02' /(9(3;5' /07f' /02' .2340' % 22/' 41??73929' 8)' 2'
.7552' @75' 115(3;' %.1?' (/5' ?11.(3;5'739' H.2H7.(3;' /1' H:f'
/1' 527' f' 3:?82.29' /0(./)R/0.22' 57(' 1%' /02' (32' X @0(2' /02'
.(/(50' % 22f' 8)' /0(5' /(?2' 4135(5/29' 1%' /0(./)R%(Q2' 13R'
5H(4:1:5'7?(95f' /02' %1.?2.' 517.29' /02' ?75/5' 1%' /0i' %7?1:5'
739' %1.?(978 2' N' (2' 92' -7.(5 0' /02' ?7;3(%(423f' H.2523f' 1%'
/02' 4(/)' 1%' -7.(5' /1' 1:(5' /02' (%/223/0' 739' /02' 7.;25f' 50(H'
/07f' % 17/29' 13' /02' @7/2.5' 1.' /@1' 97)5' 1932)' 23927J
Q1:.29' /1' 8.(3;' 13' 73' 74/(13' @(/0' /02' 232?)' 8:f' (f' @75'
31f' /(' /02' !+/0' /07f' 02' @75' 5:44255%:' 229 255' H2.07H5

F' 14>(3;(7?' 1..25H' Q1' ((' H' S$$'
/' :39)=5' (%2' 1%' 1932)' Q1' ((' HH' !#,' ' !$*' #
c' '5 #' Q1' ((' H' !"+'

(/' (5' /1' .2?7.>' / (7/' (/' @75' 13' /0(5' 14475(13' / (7/' 1932)' %1.' /02' %(.5/' /(?2' H:/' (3' H.74/(42' /02' ?2?1.78 2' ?7312:Q(=2' U>31@3' 8)' /02' H0.752' 1%' N' 8.27>(3;' /02' (32 0' 02' 527' @75' /.73I:(' 739' /02' 5>)' 4 1:9 255X' /0:5' G:5/(%)(3;' 7' 5:852I:23/' .2?7.>' ?792' 8)' 1.9' 1:;081.9:;0' (3' /02' 1/%52' 1%' -22.5' U/07/' 1932)=5' Q(4/1.)' 41?8(329' 7' N' /02' H1?H' /02' H.(92' 739' 4(.4:?5/7342' 1%' @7.0' 02' 5(P7' %1.' 4 152' %(;0/J (3;' 07Q(3;' 8223' ;(Q23' 1932)' @75' /02B%(.5/' /1' 279' /02' @7)' (3' /02' 9(.24/(13' 1%' /02' 232?)=5' %22/' (.' (82./' 732' @01' 8.27>%75/29' @(/0B0(?' 07' %' 73' 01:.' 82%1.2' /02' 74/(13' 739' @01' 5/119' 8)' 0(5' 5(92' 9:.(3;' 327.)' /02' @01 2' 1%' /07/' ?2?1.78 2' 97 =' 075' .2 7/29' 01@' ;7 73/)' /02' 9?((=7' 81.2' 91R@3' 13' /02' .2340' 50(H5' (3' 0(5'' %7;' 50(H' /02' N 1.?(978 2 0' 739' 01@' /.(:?H073/)' 7%/2.' 07Q(3;' .242(Q29' 739' .2/:.329' /02' %(.2' 1P' 1 P P (7' %' /02((F' %1.42' 02' 8.1>2' N' :392.' 132' ;232.7' 8 762S?-RPP' /0/(392.0' /0.1:;0' /02' 232?)=5' (32' D 0(2' /02' N' 1.?(978 2'0' @75' 57((3;' GH75/' /02' N' 1.(2:M 0' .2340' (32' 1%' 87// 2' 50(H' @0(40' @75')(3;' 7 ?15/' 7' =@.24>' :H13' /02' @7/2.5' 8:/' @(/0' 02.' 41 1:.5' 5/(' 7//74029' /1' 132' 1%' 02.' %7 23' ?75/5' 1932)' 47 ?)' 47 29' /02' 7//23/(13' 1%' (.' (82./' 732' /1' /02' .252?8 7342' @0(40' 502' 81.2' /1' 7' %7 23' 02.1' 75' 9254.(829' 8)' 0(5' %7Q1:.(/2' H12/' 1?2.' N' 1@ 0' 02' 2M4 7(?29' N' @(' 82' /02' 413/25/' %1.' /02' 819)' 1%' -7/.14 :5' 0' 0.1:;01:/' /02' 74/(13' @0(40' 75/29' %.1?' 5:3.(;2' /1' 5:352/' 02' 32Q2.' I:(//29' /02' I:7./2.R(' 924>' %1.' j' ?(3:/2' 02' 13)' .2%.250?23/' @0(40' 02' (3J 9:;29' (3' @75' 7' 2?13' @0(40' 02' 4135/73/)' 02 9' (3' 0(5' 7395' 739' %.2I:23/)' 7HH (29' /1' 0(5' (H5 F' 1./:37/2)' 02' 2547H29' @(/01:/' 7' @1:39' 1.' 7' 413/:5(13' 1' 79)' 1932)' 02' @.(/25' 13' /02' 97)' 7%/2.' /02' 87// 2<N -.1Q(92342' 9125' (/' 7' 1.' 2 52' 01@' 501:9' ' 2547H2' /02' 501/' 1%' /0(./)R/0.22' 7(' 1%' /02' (32' 2Q2.)' 132' 1%' @0(40' ' 82 (2Q2' 7//74>29

E' .1?'(3%1.?7/(13' ;(.2%' 8)' 1.9B .135/1&Q3'@01' E@75' 13R817.9' /02' N 1.?(9J 78 2 0' D.7M7G=5' (5/' 2?1(.5' E)1' (((' H' !!L' :39)=5' (%2' 1%' 1932)' Q1' ((' HH' ++,<+L!' E

/32XB 8:/B / (2 ^ 1.?(978 2= H(1Q29 82.52 (' E@1./0) 1% 82.'
37?2 0 P

1932)=5 ?7312:Q.2 @75 41?H 2/2)' 5:44255%: ' .1?'
/82 ?1?23/ /07/ /82 N 1.?(978 2 0 8.1>2 /8.1:;8 /02
232?)=5 (32'Q(4/1.)' ?7)' 82 57(9 /H 87Q2 924 7.29 (3 %7Q1:.'
1%/82 (=(/(58' 32 8)' 132'/82 .2340 50(H5 1 Q2.29 /02(.'
41 1:.5' 27Q(3;' 01B(QiQ2.'/02 .2340 235(;3 5/(' %:1/2.(3;'
%.1?'/02 /7 '/375('1% /02 8(;2' ^ (2 92 -7.(5 0 /02 %7;'
50(H 1% 2 .7552'/(' PP 5i' 5:..2392.'(/ @75 %2 / /07/
/02 /.(:?H0 @75 (341?H 2/2' / 23;/0 /02 H.1:9 %7;'
@75 5223 /1' 9254239X 7 5(;0/ @0(40' (3 /02 @1.95 1%
(.' (82./B 732' 523/ /0.1:;0 2740' .(/(50 8151?' 7'
N/0.(' 1% 245/75)0 @0(40 31' 73;:7;2 41:9 792I:7/2)'
9254.(82'8

2 .7552 079 9132 7 8 /0I/ 41:9 07Q2 8223 2MH24/29
%.1?'/02 ?15/ (3/.2H(9 739 H7/.(1/(4 41??7392.' D023
1.9 .73B5/1@3B' 7%/2.'/0i' 74/(13'H.1422929 13 817.9 /02
N (2 92 -7.(50 /1' .242(Q2 0(5 5@1.9' 02 %1:39 02.' 5(925
41?H 2/2)' .(99 29 K@(/0 01 25' 739 02.'.(;;(3;'/1.3 /1' H(2425'
02 079 32(/02.' 7 57(' 31.' 7 ?75/ 47H78 2 1% 47..)(3;' 7
57(' 02 54232 1% 5 7:;0/2.' @0(40 1.9 .735/1@3 @(/J
325529 @75 ?1.2 /2..(8 2 /073 02 41:9 07Q2 (?7;(329 T'
Q23 /02 I:7./2.R924>' 10 @0(40 /02 .2340 9?(.7' @75
5/739(3;' 7 ?15/ 7 132' @75 5/.2@29 @(/0 /02 @1:3929 739
/02 9279' 0i' H.(34(H7' 2?1/(13 @0(40 2 .7552 9(5H 7)29
@75 4 < 75/13(50?23/B /07/' (3 51 501./ 7 5H742 1%
/(?2R 0(5 %22/ 501:9 07Q2 8223 92%27/29' 7/ %(39(3;' 0(5
?7;3(%(423/ 50(H 7 H.(62 (3 /02 07395 1% /02 232?(25 1%
0(5 41:3/.)' 739 0(?52 %7 H.(5132.' 2 .2?7(329' /07/
3(;0/' 13 817.9 0(5 1@3 50(H' 739 13 /02 %1 1@(3;' 97)

F :39)=5 (%2 1% 1932)')1'((' H' +VV' '
'5 #' Q1(' ((' H' +LV
U ('' '5 #' Q1(' ((' H' +L#' 1.B 7 47.(1:5 739 7:/(23/(4 7441:3/ 1% / (2 %.(;0/%:'
54232 1% 47.37;2' 75 @2 ' 75 1% /02 ?(3;29 (351 2342' ;7(2/)' 739 2Q(/)' 9(5H 7)29
0)' /02 .2340 1%%(42.5R1% / _'N (2 91 -7.(5 0 13 1.9 .735/1@3 82(3;' 523/ /1'
/7>2 H155255(13 1% 02.' 522 /02 < 4 ' ' # '+ ' 5 '<' 8 ' 8#6#'
Q1(' ((' HH' !V* < !V+

' -' B ' Y

8247?2' /02' 0H38?R29' ; : 25/B1%' 1932)' N' /B(5' 199X=
@.(/25' /02' 7//2.' /1' 79)' 1932)' N8:f' @(/0(3' /@1' (// 2'
)27.5' '07Q2' /7>23' /@1' H73(50B132' .2340' 739' 132' :/40'
9?(.7 0 FR' D023' /02' 32@5' .274029' -)?1:/0' /07f' /02'
.231@329' FN (2' 92' -7.(50' 079 8241?2' 7' .(/(50' H.(62'
51?2' .2340' 1%%(42.5F' [)01RR@2.2' .2/:.3(3;' %.1?' /02342' /1'
/02(.' 1@3' 41:3/.)' 8)' 7B47./2 ' 7:;029' /02' .:?1:.' /1' 541.3'
N ?H155(8 2TO' /02)' 57(9X' N 1f' /02' @01 2' .(/(50' % 22f'
41: 9' /7>2' /02' ^ (2' 92' -7.(5 ±O%' ' ^
:40'K7.2 /02' ?1.2' (3/2.25/(3;' 92/7(5' 413324/29' @(/0' /07f'
?2?1.78 2' Q(4/1.)' @0(40B' 7 (>2' .25/1.29' /02' /7.3(5029'
0131:.' 1%' .27f' .(/7(3' H.2Q23/29' 7?7(47' %7 (3;' (3/1' /02'
07395' 1%' .7342' 739' H7(3' 0:?8 29' /02' H.(92' 1%' /02' 1:52'
1%' 1:.813' 739' 2378 29' /02' 1:./' 1%' /' 7?25=5' /1' /.27f'
%1.' H2742' @(/0' 02.' H1@2.%:' %125' 13' 0131:.78 2' (35/279' 1%'
9(5;.742%:' /2.?5
3' /02' ?273' /(?2' /02' 14>(3;07?' (3(5/.)' (;31.73f' 75'
)2f' 1%' /02' ; 1.(1:5' Q(4/1.)' @0(40' 1932)' 079' @13' 079'
/01:;0f' H.1H2.' /1' .247 ' 0(?' /1' 3; 739' 02' 1.92.' %1.'
0(?' N/1' 5/.(>2' 0(5' 7;' 739' 41?2' 01?2'O' (5' 97/29' /02'
!5f' 1%' 7)' 52Q23/223' 97)5' 82%1.2' /02' /(9(3;5' 1%' 0(5' ;.27f'
5:44255' 7..(Q29' /1' 507?2' /02' 18/:523255' 1%' (3(5/2.5' 739'
/1' 5H.279' %.73/(4' 92 (;0f' /0.1:;01:f' /02' ?2/.1H1 (5' N' 3'
7' Q2.)' (// 2' /(?2O' R@.(/25' 132' 1%' 0(5' 92 (;0/29' 97:;0/2.5' /1'
0(?' N' 7 ' 13913' @75' (3' 73' :H.17.' 02' @01 2' /1@3' @75'
(:?(37/29' /07f' 3(;0/' D2' @2.2' 7f' /02' H 7)' D023' @2'
@23f' (3' /02' @01 2' 01:52' /25/(%(29' 8)' /02(.' 4 7H5' 739'
0:6675' /02' G1)' /02)' %2 /' 7f' /02' 32@5' 739' /02(.' 1Q2' %1.'
)1:' 02(.'744 7?7/(135' 75/29' %1.'R' 7?' 5:.2' %(Q2' ?(3:/25'
1:' ?7)'G:9;2' 01@' 07HH)' @2' R@2.2 O' GX

F' :39)=5' (%2' 1%' 1932)' Q1 ' (('H' V # (342' /02' :>2' 1%' 7. 81.1:;O' 079'
8.1:;0f' 7.507' 7 7.j' 7' H.(5132.' /1' 3; 739' 7%/2.' /02' 87// 2' 1%' 2302(?' 31'
.2340' 37.7' 1.' ?((/7.)' 1??7392.'(3' 0(2%' 079' 8223' 47H/:.29' 8)' /02' 3; (50
/' 2//2.' %.1?' - □:31:/0' 7)' !,' !$"+' I:1/29' (3' 7. ' /7301H2=5' (5/1.)' 1%'
3; 739' Q1 ' Q(('H' +V,' F
B /' /?9)=5' (%2' 1%' 1932)' Q1 ' (('H' L*,

' HH " ' -' ' ' z ,V

1' /02' (3 ; ' @0152' H2.5137 ' >(393255' /1' 0(?' 1932)' 075' .2H27/29)' 739' ; .7/2% :)' 74>31@ 29 ; 29 ' 75' @2 ' 75' /1' 1.9' 739@(40 ' @01 ' 1%' 7/2 ' B7/' 275/ ' 079' 7HH.24(7/29' B739' 5 : HH1./29' 0(? ' /02' 5 : 44255' 1%' /02' ; .27/' 9 ? (.7 ' ? : 5/' 07Q2' 8223' 25H24(7)' ; .7/(%)(3 ; ' 02' 14>(3 ; 07 ? B' (3(5/.) ' (39229 ' .27H29' /02' 79Q73/7 ; 2' 1%' 0(5' ; .27/' 740(2Q2 ? 23/ ' 8 : /' (/' @75' /1' /02' 7/2' 9 ? (3(5/.7/(13 ' @01' 079' 52=3/' 1 : /' /0W' 2MJ H29(/(13 ' /07/' /02' ? 2.(/' B@75' : 3 I : 25/(1378)' 9 : 2 ' N' 02' 7/2' (3(5/2.5 0' @.(/25' D 7 H1 2 ' N' 7.2' .18829' RP1% 7' Q(4/1.)' /07/' 1 : %%0/' /1' 07Q2' 8223' /02(.5' ' 8 : /' /02' ? 18' 91' B31/' (1>' (3/1' /02' 7 ? 7374 0' F < N' ' @1 : 9' 57)B/B B' /02' H.2523/' 37Q7 ' 2MJ 7392. 0' 57(9' 1.9' 1./0' (3' /02' 1 : 52' 1%' 1 ? ? 135 < N' . : 2 ')1 :' 07Q2' 413I : 2.29 ' 8 : /')1 :' 07Q2' 413I : 2.29' @(/0' /02' 7. ? 5' 1%' - 0((H 0

02' D 0(; 5' 413/23/29' /02 ? 52 Q25' @(/0' .2@7.9(3 ;' 1932)' @(/0' /02' 1@25/' 5/2H' (3' /02' H22.7 ; 2 ' 739' 7' H7 /.)' H235(13' 1%' /@1' /01 : 5739' 7')27. ' /' @75' 255' 8)' /@2 Q2' 0 : 39.29' 7')27.' /073' /02' H235(13' @0(40' 1.9' 14>(3 ; 07 ?' 079' .2423/)' H.1J 4 : .29' %1.' 0(5' %.(239' 1 132 ' 7..W X \ ' 255' 8)' /@1' /01 : 5739' 7')27.' /073' 1.9' 02 8 : .32' 079' 18/7(329' %1.' 0(5' %.(239 ' : 33(3 ; X' 255' 7 51' 8)' /@1' /01 : 5739' 7')27.' /073' 1.9' 1./0' 079' 74 I : (.29' 7/' /02' 4 152' 1%' 0(5B' 47 7 ? (/1 : 5' 9 ? (3(5J /.7/(13 ' 02' .73>' /11 ' (3' /02' H22.7 ; 2' 413%2..29' 13' 1932)' @75' 7' ; .792' 1@2.' /073' /07/' /1' @0(40' 9 ? (.7 ' 2HH2 ' 079' .2423/)' 8223' .7(529 ' %1.' 52.Q(425' Q75/)' (3%2.(1. ' N')' 1@3' 73425/1. 0' 57(9' 1.9' 739@(40' (3' /02' 1 : 52' 1%' 1.95 ' N @75' %1.' 0(5' 52.Q(425' ? 792' 73' 7. ' 739' 75/2.' 1%' /02' D7.9.182' %1.' /0.22' (Q25 ' : .2)' @07/' (.' 21. ; 2' 1932)' 075' 9132' 31' 255' ? 2.(/5' 73' 7. 91 ? ' @(/0' 73' 733 : (/)' 1%' /@1' 1.' /0.22' /01 : 5739' H1 : 395' /1' 82' 7332M29' /1' (/ ' 02' 75/' 74/(13' 7 132' 9252.Q29' 51' ? : 40 0

U' D 7 H1 2B5' 2//2.5 ' Q1 ' Q(((' H ' +++

]' 1 132 ' 7..2-5' H235(13' @75' 31 ? (37)' L*** ' 7')27. ' : /' 7441.9(3 ;' /1' 7. ' /73 (1H2' /02' 7 ? 1 : 3/' 1%' (/5' ; .155' .242(H/5' @75' " +**+ ' (5/ ' 1%' 3 ; ' Q1 ' Q(((' H ' +SBT

/' @j5' 57(9B1%' 193W) =(3B' 0(5' 97) ' 75B(/' 075' 5(342' 8223' 7(9' 1%' 2 513 ' /07/' 02' @75' /11' ? :40'B 799(4/29' /1' 52 %R' 7 :97/(13X' 51?2@07/' /11' H. 32' /1' H:/' 0(?52 %' %1.@7.9' 75' /02' 02.1' 1%' 0(5' 1@3' /7 2 ' 1.' (35/7342 ' (/' B075' 8223' .2 7/29' 1%' 0(? ' /07/' 7%/2.' 0(5' ?2?1.78 2' Q(4/1(G ' 02' 47:529 ' 7' 407(.' /1' 82' H 7429' 13' /02' I :7./2.R924>' 1%BO(5' % 7;' 50(H ' @02.2 ' 527/29' (3' /02' ?113 (;0/' @(/0' 0(5' 2)25' /:.329' /1@7.95' /02' 41 1557 ' 8: >' 1%' 0(5' 5H 239(9' H.(62' /02=N (2' 92' -7.(5 0' 02' (5' 57(9' /1' 07Q2' (39: ;29' (3' 73' 2M/.7Q7;73/' H732J ;).(4' 13B/02' 52.Q(425' @0(40' 02' 079' .2392.29' 0(5' 41:3/.) ' ?(3; 29' @(/0' (3Q24/(Q25' 13' /02' (3;.7/(/:92' 1%' ?23' (3' H1@2. ' 1?2' %1:397/(13' /02.2' H.1878)' @75' U%1.' /0252' 407.;25' 7;7(35/' 1932)' X)2/' @01' /07/' .2?2?82.5' /02' 74/5' 1%' /02' 02.1' 739' /02' ?73)' >(39)' 739' ;.742(9' I :7 (/(25' 1%' /02' ?73' 8:/' @(' H7.913' 0(?' %1.' 7' @27>3255' @0(40' 1/02.' ;(=27/' ?23' 07Q2' 91:8/ 255' (39: ;29' (3' 75' %.22) ' /01:;0' /02)' ?7)' 31/' 07Q2' 2M0(8(/29' (/' 51' (347:/(1:5) ' 1.' 1:.52 Q25' @2' 501: 9' %1.;(Q2' 0(?' @2.2' (/B13)' %1.' /02' 7%%24/(13' @0(40' @2' %(39' 0(?' 827.(3;' %1.' 0(5' 78523/' /2..(2.' N' 1:H' O < 0(5' N%7(/0%:' %.(239O' 75' 1932)' 5/) 25' 0(?< 739' %1.' /02' 47.2' @0(40' 02' /11>' 1%' /02' %7?1:5' (// 2' 873/7?R414>' @01' 31/' 13)' 507.29' 0(5' ?75/2.=5' H2.(5' 13' /02' ;1.(1:5' !+/0' 1%' H.(' 8:/' @01' 7/' 2740' 8.1795(92' @0(40' /02' N 1.?(978 2O' H1:.29' (3/1' /02' N' (2' 92' -7.(5 O' 4.1@29' 739' 4 7HH29' 0(5' @(3;5' 75' (%' 2M:/(3;' (3' /02' H.1?(52' 1%' Q(4/1.) ' N' 1:H O' (/' 522?5' 13' 1932)=5' 92H7./:.2' %.1?' 01?2' /1' /7>2' 413(?739' 1%' /02' % 22/' 079' ?73(%25/29' 01@' ;(=27/' @75' 0(5' ;.(2%' 8)' 7//740(3;' 0(?52 %/1' 132' 1%' 0(5' ?75/2.=5' 417/5' 739' .2%:5(3;' /1' /7>2' %119' %1.' /0.22' 97)5' N' 2?2?82.' ?2 O' @.(/25' 1932)' /1' 0(5' @(%2' 13' /02' !+'/0' 1%' 28(3(7.) ' N' /1' ?)' 927.' ;(.' 739' /1' ?)' %7(/0%:' %.(239' 1:H' ' >31@')1:' @(' >(55B0(?B%1. ?2

47.42)' 255' .291:39(3;' /1' /02' 0131:.' 1%' .27/' .(/7(3

1.' 255' (?H1./73/' (3' (/5' .25: /5'@75' / (2' ; 1.(1:5'/2.?(37/(13' (3' / (2' ?13/0' 1%' 2H/2?82.' /0(5')27.' 1%'/02'H.1/.74/29' 739' ?2?1.78 2' 5(2;2' 1%' (8.7 /7.' 1.' ?1.2' /073' /0.22')27.5' (/5' 92Q1/29' ;7..(513' 2MH1529' /1' 2Q2.) H155(8 2' 9254.(H/(13' 1%' H2.(' 739' H.(Q7/(13' 079' 1%%2.29' 7' 318 2' .25(5/7342' /1' /02' :3(/29' 7.?7?23/5' 1%' 07. 25' /0i' 0(.9' 1%' H7(3' 739' 1%' 1:(5'/02' (M/223/0' 1%' .7342' :.(3;'/07/'/(?2'/02' 25/1R' .7/(13' 1%'/07/';.739' 739' 51 (/7.)'.14>'/1'/02'4.1@3' 1%' H7(3' 079' 8223' /02' 3(;0/)' H.7)2.' 1%'/02' H73(50' ?137.40' N'y5' ' '\'Ó' @75' 97( )' 0(5' @7>(3;' 739' 73M(1:5' 23I:(.)' U Q2.)' 2%%1./' @0(40' H1@2.' @27 /0' Q7 1?F' 739' (3;23:(/)' 41: 9' 8.(3;' (3/1' H 7)' 079' 8223' 2M07:5/29' /1' 2%%24/' (/5' .29:4/(13'Ý)2/' 7/'/02' 4 152' 1%' /02' 13;' 739' 2Q23/%:' 5(2;2' /02' .(/(50'%7;'413/(3:29' /1' %17/' 75' (/' 5/(' %17/5' 13' 132' 1%' R/02' H.1:925/' 739' 1.9 (25/' 413I:25/5' (3' /02' @1. 9' 02' %(37' 7//74>' /11>' H 742' 13 /02' !L/0' 2H/2?82.' @023' 7' /.2?2391:5' 473313792' @75' 1H2329' :H13' /02' %1./.255' %(B1?' 7' Q75/'%22/' 1%%17/(3;'87//2.(25' ?1./7.RQ2552 5' 739' ;:3R817/5' /' @75' 735@2.29' 01@2Q2.'8)'73' (3425573/' 739' @2 R9(.24/29' 9(5407.;2' 1%' .29R01/' 501/' @0(40' %1./:37/2)' 52//(3;' %(.2' /1' /02' %1.?(978 2' %17/(3;'87//2.(25' 14475(1329' 51' 7@%:' 7'07Q14' 7?13;' /02?' /07/' 13' /02' %1 1@(3;' ?1.3(3;' %17/(3;' 5H7.5' 739' 507//2.29' 0: 5' @2.2' /02' 13)' Q(5(8 2' .2?7(35' 1%' /02' %1.?(978 2' 7.?797' 1%'/02' H.2429(3;' 97)' .1?' /07/'/(?2' 7 /01:;0'/02' 5(2;2' @75' 31?(37)' H.1/.74/29' (8.7 /7.'@75' 57%2' %.1?' 47H/:.2' 02' Q2/2.73' 739' ;7 73/';1Q2.31.' (.' 21.;2' (1//'@75' 9241.7/29' @(/0' /02' 1.92.' 1%' /02' 7/0' :H13' /02' .7?H7./5' 739' @75' 5:852I923/)'.7(529' /1' /02' H22.J 7;2' 8)'/02'/(/ 2' 1%' 7.13' 27/0%(2 9

02' ?2.(473' @7.' ?7)' 82' 57(9' /1' 07Q2' /2.?(37/29' @(/0' /02' .25(;37/(13' 1%' 1.9' 1./0' 1.' 51?2' /(?2' 13;2.' (39229' /02' .(/(50' 413/(3:29' :3?1 25/29' (3' /02' %2@' 5/.13;' H15(/(135' 1Q2.'@0(40' /02(.' %7;' 079' %17/29' 7/' /02' (3/2..:HJ /(13' 1%' 015/((/(25'8:/' 7 ' (927' 1%' 413I:25/' 079' 8223' 13;' 5(342' 787391329' -2742' @75' 7.923/)' 13;29' %1.' 13' 81/0

5(925 1% /02 / 73/(4 739 7441.9(3;)P 13 /02 L*/0 1% 1Q2?82. H.1Q(5(137 7./(4 25 @2.2 5(;329 B7 -7.(5 (3 @0(40R .27 .(/7(3 %1.?7) 74>31@ 29;29 /02 /0(./223 ?2.(473 -.1Q(3425 /1 82 %.22 739 (392H23923 /7/25 02 37/:.7 .25: 1% /02 4134255(13 1% ?2.(473 392H23J 92342 @75 H2742 82/@223 .27 .(/7(3 739 .7342 739 H7(3B /02 H.2(?(37.) 7./(4 25 1% @0(40 @2.2 5(;329 X7/ 2.57(25 13 /02 +*/0 1% 73:7.) !$"LX 7B 42557/(13 1% 015/((/(25 07Q(3;(3 /02 ?273 /(?2 8223 7P229 /1K@(/0 1 739 @0(40 7 %2@ ?13/05 7%/2.@7.95K /2.?(37/29 (3F7X H2742 82/@223 /02 /@1 41:3/.(25 02 /2.?5 @0(40 .27 .(/7(3 18/7(329 %.1?02. 232?(25 @2.2 31 P3)52Q2.2 41??23/29 :H13 7 /02 /(?2 8: (3 -7.(7?23 9.2@ 91@3 ?73) Q(1 23 7//74>5 :H13 1.9 02 8:.32 739 0(5 41 J 27;:25 3 1:. 1@3 97) 01@2Q2. (522?5 /1 82 H.2//) R ;232.7) 41342929 /07 /0152 7//74>5 @2.2 ?7(3) 7//((8:/R 78 2 /1 H1 (/(47 G27 1:5(25 739 H7./) 07/.29X 739 %:./02. /07 /02 /2.?5 18/7(329 8) .27 .(/7(3 @2.2 75 %7Q1:.78 2 75 502 079 2(/02. /02 .(;0 /1 2MH24 1. /02 H1@2. /1 2M74/ N 02.2 (5 31 /02 5(;0/25 .27513 O @.(/25 1.9 747:7) N /1 82 (2Q2 /07 1M (% 02 079 .2?7(329 (3 1%(n42 @1:9 07Q2 025(/7/29 132 ?1?23 781:/ 4134 :9(3;7 H2742 13 5:40 4139(/(135 OF

-7.(7?23/ (3 /02 ?273 /(?2 079 8223 1H2329 13 /02 V/0 242?82. 8) 7 .2?7.>78 2 5H2240 %.1?/02 /0.132 (3 @0(40 /02 (3;%1.?7) 7331:3429 /02 392H2392342 1% /02 ?2.(473 -.1Q(3425 N (9 1@2.?) Q1(42 @023 47?2 /1 /07 H7./ 1% ?) 5H2240cO%@75 0(5 23I:(.) 1% 1.9 M%1.9 51 5113 75 /02 2?87..755(3;42.2?13) @75 7/ 73 239 2M/ /1 /02 @2%7.2 739 07HH(3255 1% 0(5 1@3 H21H 2 @0(40 /02 (3;82 (2Q29 /1 82 G21H7.9(629 8) ?2.(J 473 392H2392342 02 /11> /1 027./ /02 9(575/.1:5 41352J I:23425 @0(40 02 (?7;(329 /02 52H7.7/(13 @1:9 23/7(13 /02 ?2.(4735 /02?52 Q25 N 3 /0:5 O .:35 /02 H2240

@2.2' 1%' /02' 1H(3(13' /07f' /02' ?2.(4735'@2.2' 32;.125 F'
)'92;.225' 01@2Q2.' /02)'079' 7..(Q29' 7f' 7' G:5/2.'>31@J
29;2' 1%' /02' .27' 5/(-23;/0' 1%' ?2.(47' 75' @2' 75' 1%'
/02' %1)'739' (3G:5/(42' 1%' H.1 13;(3;' 7' 413/25/' @((40'
079' 51' .2423/)' ?2f' @(/0' /02(.' 23/(.2' 7HH.1Q7' N 02'
?2.(473' D7.0'@.(/25' /02' 0(5/1.(73' 1?2.Q(2' N'(5' 31@'
41392?329' 739' 2M24.7/29' 8)'/0152' @01' 7?23/'(/5' 47 7J
?(/1:5' 2%%24/5' @(/01:f' 73)'.2/.15H24f' /1' /02' ?1/(Q25' /02'
U%22 (3;5' 739' /02' G:5/(%(78 2' ;.1:395' 1%' 23/2.(3;' (G(/1' (/'
@0(40' H.19:429' 7?15f' 73' :373(?(/)' 1%' 37/(137' 523/(R'
?23f' 7f' /02' /(?2' 1%' (/5' 41??2342?23/' 2.5135' 1%' ?)'
1@3' 7;2' @01' @2.2' @13/' 75' ' @2' .2?2?82.' /1' 2M.'
H.255' /02?52 Q25' @(/0' 7' H755(137/2' 627' 10' /0(5' 5:8G24/ U
739' @01' 4135(92.29' 7' /0152' @01' 02 9' 0' 9(%%2.23f' 1H(3(13'
/((2' /11 5' 1%' %74/(13' 739' 782//1.5' 1%' .282 (13' 07Q2' 31f'
13)'4073;29' /02(.' 523/(?23/5' 8:f' 522?'/1' 07Q2' %1.;1//23'
/02?' 75' ?:40' 75' (%' /02)' 079' 15f' 7' 52352' 1%'H2.5137'
(923/(/) O%'
K'
N' 02'@7.'7;7(35f'/02'(35:.;23f' 1 13(25 0' @.(/25'/02' 7/2'
(.' 21.;2' 2@(5' N079' 7f' %(.5f' 8223' 0(;0)' H1H:7.OGX
7.' :552' 7 51' ?7>25' /02' 57?2' 79?(55(13' N' f' 47331f'
82' 923(29 0' 02' 57)5' N/07/'(3' 0(5' .25(5/7342' /1' ?2.(473'
4 7(?5' 21.;2' /02' 0(.9' 079' /02' %:' 4134:..2342' 1%' 0(5'
H21H 2' 02' 37/(137' H.(92' .2Q1 /29' %(F1?' 73)'5:8?(55(13'
/1'92?7395' 1:9)'H:f' %1./0'739' 7441?H73(29' @(/0'?237425'
1%' .282 (13 0e' ;7(3'(3' !$$#'@2' %(39' 1.9' 14>(3;07?' B
79?(//(3;'(f' /1' 82' 0(5' 1@3' 413Q(4/(13' 75' @2' 75' /07f' 1%' 0(5'
%.(2395' 1.9' 103' 7Q239(50' /02' :>2' 1%' 73402 5/2.' 739'
(.' 21.;2' 7Q(2' N'/07f' /02' Q(1 23f' ?275:.25' /1@7.95'
?2.(47' 7.2' %7(.)' 791H/29' 739' 41:3/2373429' 8)'7' ?7G1.(/)'
1%' (39(Q(9:7 5' 1%' 7' .73>5' H.1%255(135' 1.' 144:H7/(135 b' (3

F' 1.913=5' (5/'1%'/02' ?2.(473' 2Q1:/(13'Q1 '('H'SL"
]' 02' 2Q' ' 1?2.Q(2=5' 2?1(.5' 1%'0(5' 1@3' (%2' 739' (?25'H'!"V'
' 557)5' 13' /02' 9?(3(5/.7/(135' 1%' .27f' .(/7(3'H'+"
e' 7.' :552 =5' 2?1.(7 5' 1%' 1M'Q1 '('H'L*!

/0(5' 41:3/.) 0F' N' 02' ?2.(473' D7.0' 57(9' 1.9' 1./0' 3)'2'
(3'/02' 1:52' 1%' 1?? 135' N'075' 8223' 5:;;25/29' /1' 07Q2'
8223' /02' @7.' 1%' /02' (B1@3' 413/.7.)' /1' /02' @(5025' 1%' /02'
-21H 2' '923)' (/' /' @75'/02' @7.' 1%' -7. (7?23/' 02.2'
@75' 31/' 7' 5/2H' /7>23' (3' (/' /07/' 079' 31/' /02' 5734/(13' 1%'
-7. (7?23/' /' @75' /02' @7.' 1%' /02' -21H 2' %1.' (/' @75'
:392./7>23' %1.' /02' 2MH.255' H?+H152' 1%' ?7(3/7(3(3;' /02' G:5/'
.(;0/5' 1%' -7. (73723/' 1.' (3' 1/02.' @1.95' 1%' /02' -21H 2'
1%' .27/' ./7(3' 1Q2.' /02' 2H239234(25' 1%' /02' ?H(.2
1.' /0(5' .27513' (/' @75' H1H:7.' 7/' (/5' 41??2342?23/' 739'
27;2.)' 2?8.7429' 8)' /02' H21H 2' 739' -7. (7?23/' 1:9'
/02' (3%:2342' 1%' /02' .1@3 0' 23I:(.29' 1.9' 1./0' N'07Q2'
H.14:.29' 5:40' ;.27/' ?7G1.(/(25' K@(/0(3' /02' 911.5' 1%' /02'
1:52' 1%' 1??135' 75' @23/' 7 ?15/' /1' H.19:42' 2I:73(?(/)'c
.' (%' /02' (3%:2342' 1%' /02' .1@3' 41:9' 07Q2' H.19:429'
/0152 ?7G1.(/(25' @(/0(3' 911.5' 41:9' (/' 07Q2' H.19:429'
/02' 7 ?15/':373(?1:5' 7HH.187/(13' 825/1@29' @(/01:/' 911.5'
@0(40' .2392.29' /02' @7.' /02' ?15/' H1H:7.' 1%' 73)' /07/' 079'
8223' 47..(29' 13' %1.' ?73)')27.5' c' 1.' 9(9' (/' 2Q2.' 42752' /1'
82' H1H:7.' :3/(' 7' 52.(25' 1%' /02' ?15/':3H7.7 2 29' 9(575/2.5'
739' 47 7?(/(25' 47:529' /02' -21H 2' @27.(29' 1:/' @(/0' 7 ?15/'
:3(3/2..:H/29' (R5:44255' 739' ?(5%1./:32' /1' 47' 1:/' 75'
1:9)' %1.' H2742' 75' /02)' 079' %1.?2.)' 9132' %1.' @7.0%'

1.21Q2.' /1' /02' Q2.)' 4 152' 1%' /02' ?2.(473' 413/25/' 31/'
13)' /02' (3;' 8:/' 1/02.' ;119' 739' @(52' ?23' 8202 9' (3' /02'
(?H239(3;' 52H7.7/(13' 1%' .27/' ./(7(3' %(R1?' 02.' 1 13(25'
/02' (..2?29(78 2' 9(5;(B742' 739' 7 ?15/' 42./7(3' .:(3' 1%' /02(.'
41:3/.)' 1.9' 07/07?' %1.' (35/7342' ?7)' 82' 57(9' /1' 07Q2'
574.(%(429' 0(5' (%2' /1' 0(5' 23927Q1:.5' /1' H.2Q23/' /02' 9(5?2?J
82.?23/' 1%' /02' ?H(.2' 739' 1.9' 02 8:.32' 132' 1%' /02'
?15/' 4 27.5(;0/29' 5/7/25?23' 1%' 0(5' /(?2' 079' 73/(4(H7/29'
/02' 2Q23/' @(/0' 31' 255' 925H139234)' 2' @1:9' 32Q2.'
02' 57(9' (3' /02' 1:52' 1%' 1.95' (3' !$$"' 413523/' /07/' 7.'#

U' 2//2.'/1' 9?:39' :.>2' 97/29' 2H/'+S'!$$V'X 6 ?)' #'Q1('((' H'#"'
/'-7. (7?23/7.)' 287/25' Q1(' MM(((' 41' "S,

?2.(47 501:9 82 (392H23923 01:9 /02(: (392H2390

2342 82 2M4 7(?29 82 41342929 /1 /82? N/82 5:3 1%
.27/ .(/7(3 (5 52/ 739 @2 507 31 13;2. 82 7 H1@2.%:
1. .25H24/78 2 H21H 2 0F 1.2 /073 1342 82 079 .2H27/29
(3 -7. (7?23/ /07/ < 02 @01 501:9 5(;3 /02 392H2392342
1% ?2.(47 N@1:9 4135:??7/2 /02 .:(3 1% 0(5 41:3/.)
739 ?:5/ 82 7 /.7(/1. 0 Q23 51 7/2 75 /02 5:??2. 1%
.8 I J?0 :52 0(5 I0 @1.95 J? JB$ K I BL?$ %.1?
/0152 9(=27?5 1% 91?(3(13 0 @2 %(39 0(? 2M4 7(?(3;(3 /02
:) - 1:52 1% 1.95 /07/ /01:;0 /02 5:3 1% 3; 739 @1:9 52/
@(/0 /02 155 1% ?2.(47 02 01H29 /1 522 (/ .(52 7;7(3 739
@75 .251 Q29 /1 (?H.1Q2 /02 /@((;0/ %
/ ?7) 82 7.;:29 /07/ /02 (3;%1 1@(3;/02 2M7?H 2
1% 1.9 02 8:.32 739 1/02.5 1:;0/ /1 07Q2 H2.42(Q29 7/
73 27.(2. H2.(19 /02 (?H.1878(/) 1% .27/ .(/7(3 82(3;
78 2 /1 01 9 02. 1 13(25 75 7 413I:25/ 739 41352I:23/)
501:9 13;7;1 07Q2 787391329 /02 7//2?H/ :/ 2M4:525
?(;0/ 82 %1:39 %1. 0(? @0(40 7.2 (37HH (478 2 /1 1/02.
H2.5135 2 31/13) .2;7.929 392H2392342 75 H.2;373/
@(/0 37/(137 9(50131:. 739 .:(3 8:/ (/ @1:9 82 ,
.2(;3 75 02 @2 >32@ @0(40 @1:9 82 H1(3/29 /1 75 /02
2H140 1%/02 9(5?2?82.?23/1%/02 .(/(50 2?H(.2 739 :H13
0(? H2.5137) @75 (>2) /1 82 475/ /0.22R%1:./05 1%/02
1HH.18.(:? % 0(5 H1 (4) 079 8223 @.13; (/ 079 7/ 275/
8223 7HH.1Q29 739 :H02 9 8) /02 29:47/29 739 27.329 (3
/02 739<8) /02 0:.40 /02 7@ 739 /02 73929 (3/2.25/
28 N 7?; .(2Q29 /1 1852.Q2 0 @.(/25 1.9 7?923 /1 1.9
07/07? N/07/ /02 73929 (3/2.25/ (5 7 ?15/ 7 /1;2/02.
14 !# 73/(R ?2.(473 0 < N 02 1:./0 @.(/25 D7H1 2 N079
31@ 7/ /02(. 92Q1/(13 /02 /0.22 ;.27/819(25 1% /02 2.;)
.?) 739 7@ 0e 39 7;7(3 :.>2 @.(/25 /1 1MP< N 02

F -7.(287/25 Q1 5(M 41 "V*
] '5 # Q1 MM(((41 !,S
/ 07/07?1..25H Q1 (Q H S*!
e D7H1 2=5 75/ 1:.37 5 Q1 ((H ,*

?2' @0 G? 2B&&C' 0L' & ?& ' H1@2.' 739' 41352 I : 2342' 14/' '
(3Q1 Q29' (3' / (2' 5 : 44255' 1%' /0(5' E? ABO' D@2 0?22 ' J?'
2. ;)' 7.2' 75/13(50(3 ;)' @7. ?' (3' (/ 0F' 1.21Q2. ' 2/' (/' 82'
.2?2?82.29' /07/ ' J @1J @ ' J?' A 0 A2 ' I J' E? AB ' J?
(3 ;' 079' 7HH7.23/)' 8223' >2H/' 7?23/78)' (R(3%1. ?29' (3' .2J
;7.9'/1'/02'.27'Q(2 ' 739' %22 (3 ;5' 1%' 02.' H21H 2 ' 2' 079' 31/ '
(>2' 1.9' 07/07? ' 079' 7' .73> (3' H.(Q7/2)' /1' 79Q(52' @(/0 '
739' /1' 23 (; 0/23' 0(?' 13' /02' 5 : 8624/' X 31. ' (>2' 1.9' 14>(3 ; J
07? ' 7' 1Q2.31.' D23/@1./0' X 31. ' (>2' 1.9' 7./?1 : /0 ' 7'
152H0' 229X' 31. ' (>2' : .>2 ' 0(5' 755740 : 52//5' (3%1. ?73/5'
739' %.(2395 ' (5' ?2735' 1%' (3/2 (; 2342' @2.2 ' 7 ?15/' 32425J
57.( ) ' 413%(329' /1' 5 : 40' H : 8 (4' 925H7/4025' 75' 0(5' (3(5/2.5'
%2 /' (/' /02(.' 9 : /)' 1.' /02(.' H1 (4)' /1' 7)' 82%1.2' 0(?' X /0152' 925J
H7/4025' 31/' 13)' %.2 I : 23/)' 413/7(3(3 ;' /02' H7./(7 ' .2H.2523J
/7/(135' 1%' (..(/7/29' 1Q23(1.5' 739' 1/02.' 9(557/(5%(29' 1 13(7 '
H 742?23 ' 8 : /' 51?2/(?25' 4 7(?(3 ;' /02' ;(R27/2.' 4.29(/' 739'
4135(92.7/(13' %.1?' /02(.' 07Q(3 ;' 8223' H23329' 8)' 37/(Q2' ? 2J
.(4735' /02?52 Q25 ' /02.' 2M4 : 525' ?(; 0/' 82' %1 : 39' %1.' /02'
(3 ; ' D75' (/' (>2)' (/' ?7)' 82' 75>29 ' /07/' /02' ?15/' .251J
: /2' ?137.40' 1%' 0(5' /(?2' 501 : 9' 07Q2' 413523/29' /1' /02'
H7./(/(13' 1%' 0(5' 91?(3(135 ' 739' 07Q2' 5 : . .2392.29' : H' /02'
8.(; 0/25/' G2@2 ' (3' 0(5' 9(792?' @(/01 : /' 7' 5/. : ; ; 2' /1' /02'
75/c' N' 7/02. 0' 57(9' /02' ?H.255' 7/02.(32' /02' 24139' 1%'
: 55(7 ' N' /073' 07Q2' ; .73/29' ?2.(47' 02.' 392H2392342 ' 75'
02.' 8.1/02.R?137.40 ' (3 ;' 21. ; 2 ' 079' 9132 ' 502' @1 : 9'
07Q2' %(.29' 7' H(5/1 ' 7/' 02.' 0279 0%' 75/)' 1%7 ' ?23' (Q(3 ; '
/02' ; 232.1 : 5' - .(342 ' @01' 079' 8223' /02' %1.2?15/' /1' 2341 : . 7 ; 2'
/02' ?2.(473' 1)7 (5/5' /1' .2H7(./ ' 0(5' 5/7397.9 ' @75' /02' 275/'
(>2)' /1' 82' %(.5/' /1' 7873913' /02?' /1' /02' 07.9' %7/2' @0(40'
7@7(/29' /02?' 7/' /02' 07395' 1%' /02(.' %2 1@R41 : 3/.)?23
02' (3 ;=5' 7%% (4/(13' 7/' /02' 155' 1%' ?2.(47' (5' >31@3' /1'
07Q2' 8223' 7 (>2' H1(; 373/' 739' 75/(3 ; ' 1./ : 37/2)' 52 %R

F' : .>2=5' D1.>5 ' Q1 ' ((' H ' L , * ' 9 ' ! "S!
]' 2// .25' 2/' - 235W25' 92' 7.W4 ? ' - .(342' 92' (; 32 ' HH' , + < , V' X I : 1/29' (3' /02' 9(3R'
0 : . ; 0' 2Q(2@ ' Q1 ' M(Q ' H ' ! ! L

' -' +

.2H.1740 079 31 507.2 (3 0(5 9(5/.255 1@2Q2. :3@(52 < P01@2Q2. :3%1./:37/2 ?7) 07Q2 8223 0(5 H1 (4) < 02 079 7/ 275/ /02 57/(5%74/(13 1% .2% 24/(3;/07/ /02 ?1/(Q25R@0(40 079 (3% :23429 0(5 4139:4/ 079 8223 32(/02./0152 1% 7?8(J /(13 31. 1% 7 /0(.5/ %1. 2?H(.2X 8:/ 7 %(.? 413Q(4/(13 /07/ 02 @75 91(3;31 ?1.2 /073 0(5 9:/) (3 23927Q1:.(3;/1 7Q2./ 8) 7 7@%: ?2735 (3 0(5 H1@2. 7 47/75/(=1H02 @0(40 02 82 (2Q29 /1 82 7 (>2 H.2;373/ @(/0 0:?((7/(13 /1 0(5 .1@3 739 %7/7 /1 /02 (3/2.25/5 1% 0(5 1:3/.) 1@ ?73) H2.5135 H.1878) /02.2 7.2<8) @01? 21.;2 /02 0(.9 075 8223 9231:3429 75 7 /).73/ 7 5(?H 2/13 1. 7 8(;1/< @01 (%/02) 079 8223 0(5 413/2?H1.7.(25 (35/279 1% 07Q(3;R079 /02 79Q73/7;2 1%G:9;(3;1% H75/ 2Q23/5 8) /02 (;0/ 1% >31@3 .25: /5 739 ?192?2MH2.(23425''@1: 9 07Q2 8223 %1:39 507.2.5 1% /02 (3;=5 Q(2@5 739 5:HH1./2.5 1% 0(5 H1 (4) T

/ /02 /(?2 @023 /02 3;(50 -7.(7?23/ 7552?8 29 82%1.2 0.(5/?75 1.9 02 8:.32=5 9?(3(5/.7/(13 079 2M(5/29 %1. %(Q2 ?13/05 02 3:?82. 1% 0(5 %1 1@2.5 (3 /02 1:52 1% 1?? 135 @75 41?H:/29 /1 7?1:3/ /1 13) 132 0:39.29 739 %1./) X /0152 1% 1.9 1./0 /1 132 0:39.29 739 /@23/) /0152 1% 1M /1 3(32/) F 02 .25/ 1% /02 1:52 ?7) 82 57(9 /1 07Q2 4135(5/29 1% (392H23J 923/ ?2?82.5 0:5 (/ @(82 5223 1.9 02 8:.32=5 H15(/(13 41:9 547.42) 82 ?:40 @27>2./073X(% @75 2 9(9 0(5 :/?15/ (39229 /1 (3;.7/(7/2 0(?52 %@(/0 /02 (3; % 8:/ 7;7(35/ 7 ?7G1.(/) (3 /02 1:52 1% 1?? 135 /02 (3;@75 H1@2. 255 1 27.) (39229 75 /02 ?13/0 1% :) @2 %(39 1.9 1:;081.1:;0 7;(R22(3;@(/0 D((7?923 /07/ (/ @75 (?H155(8 2 /02 H.2523/ (3(5/.) 41:9 5/739 X /@75 ?73(%25/ (39229 /07/ :3 255 /@1 1% /02 .(Q7 H7./(25

F 7//2./ %.1?/ (8813 /1 1.9 02%%(2 9 4/ !S !$"+ D 55 <)# - * H L*"

]/ D7 H1 2=5 75/ 1:.37 5 Q1 ((HH #SL ##" U

:4> 739 1..25H Q1 (HH #<$

P ' SS Z ' -' ' ' Y S*V

417 25429' 7;7(35/' /02' /0(.9' 31' 79?(3(5/.7/(13' /07/' ?(;0/' 82'
%1.?29' 41: 9' 75/' %1.' ?73)' ?13/05
3' /0(5' 5/7/2' 1%' 7%%7(.5' 1.9' 02 8:.32' (/' (5' 57(9' @1: 9'
07Q2' @((3;)' 41?2' /1' /2.?5' @(/0' 1.9' 1./0' 079' 31/' -(//'
H15(/(Q2)' .2%:529' /1' 5(/' (3' /02' 57?2' 78(32/' @(/0' /07/'
318 2?73' 3' /02' ?273' /(?2' /02' 9?(3(5/.7/(13' @75'
7 ?15/' 97( )' 7%%1.9(3;' 2Q(92342' 1%' (34.275(3;' 2M07:5/(13
3' /02' +L.9' 1%' 73:7.)' /02' :>2' 1%' (40?139' H 7(3)' (.55'
(3/(?7/29' /1' /02' (3;' /07/' 51' ;.27/' @75' 0(5' 9(557/(5%74/(13'
@(/0' 1.9' 02 8:.32' 02' @1: 9' 7//239' 31' ?1.2' 78(32/'
?22/(3;5 F' 3' /02' %1 1@(3;' 97)' 1.9' 2HH2' .25(;329' 0(5'
H15/' 1%' (.5/' 1.9' 1%' /02' 9?(.7 /)' 739' 7' %2@' 97)5' 7%/2.J
@7.95' 1.9' 7.(5 2' /0.2@' :H' 0(5' 7HH1(3/?23/' 1%' 1.9'
/2@7.9' 1%' /02' 1:5201 9' /' @75' :392.' /0252' 4(.4:?J
5/73425' /07/' 7/' /02' 27.325/' (35/(;7/(13' 1%' -(//' 1.9' 02 J
8:.32' .2 :4/73/)' 413523/29' /1' 0(5' 1H23(3;' 7' 32;1/(7/(13'
@(/0' 1M' /1' @0152' 01:52' 7441.9(3;)' /02')1:3;' 07342 1.'
1%' /02' M402I:2.' .2H7(.29' 8)' 7HH1(3/?23/' 13' /02' !!/0' 1%'
28.:7.)' 5' ?(;0/' 07Q2' 8223' 2MH24/29' 02' %1:39' 1M'
I:(/2' 75' ?:40' 823/' 13' H.154.(8(3;' 1.9' 02 8:.32' 75' 02'
0(?52 %' @75' .251 Q29' 13' 31/' 41R1H2.7/(3;' @(/0' 1.9' 1./0
02' 78.:H/3255' (39229' @(/0' @0(40' 1M' 9231:3429' 1.9'
02 8:.32' 7HH27.5' /1' 07Q2' ;(Q23' 4135(92.78 2' 1%%2342' /1'
-(//' 2' 079' 31/' 41?2' /02.2' 02' 57(9< 9.7@(3;' 0(?52 %'
:H<%1.' /02' H:.H152' 1%' 82/.7)(3;' 1.9' 02 8:.32' 739' 02'
H.25:?29' /02.2%1.2' /07/' 73)' %:./02.' 9(54:55(13' @75' :332425J
57.)' EÆ N' .1?' /0(5' H2.(19 0' @.(/25' (501H' 1? (32' N' ?7)

U' D7 H1 2=5' 75/' 1:.37 5' Q1 ' ((' H' #$"
]' 0(5' (3/2.Q(2@' 82/@223' -(//' 739' 1M' 75' @2 ' 75' 731/02.' @0(40' /11>' H 742'
82/@223' /02?' (3' !$,+' 7.2' H1(3/29' 1:/' 8)' /02' 7/2' (.' 21.;2' 2@(5' J ' T 0)'
H' !*# U 75' 82(3;' 799(/(137' /1' 7' /0(.9' (3/2.Q(2@' @0(40' /11>' H 742' 82/@223' /02?'
(3' 242?82.' !$,*' 7/' 7' 4135:/7/(13' 13' /02' 5:8G24/' 1%' D7..23' 75/(3;5=5' (?H2740F'
?23/' @0(40' (3/2.Q(2@' (3' /02' 1H(3(13' 1%' 1.9' (9?1:/0']< +F' ' '$ # ")'
Q1 ' (' H' "* Y' @75' N/02' 13)' 14475(13' 13' @0(40' .' -(//' 739' .' 1M' @2.2' 2Q2.'
8.1:;0/' /1;2/02.'((.'H.(Q7/2' (%2 0' 02.2' @75' 01@2Q2.' :3I:25/(1378)' 7' 5:852I:23/'
?22/(3;' 82/@223' /02?' 13' /02' 5:8G24/' 1%' H2742' @(/0' .7342' (3' :32' !"*S' 22'
7 ' ' 'M ' J ' I 'M) Q1 ' ((' HH' !V*' !#+' 0(5' 75/' @1.>' 7/' /02'
/(?2' @023' (.' 21.;2' 2@(5' @.1/2' 079' 31/' 8223' H:8 (5029

82‘ 97/29‘ /07/‘ H1 (/(47‘ 015/((/)‘ @0(40‘ 413/(3:29‘ /0.1:;0‘ /02‘ .2?7(392.‘1%‘/02(.‘ (Q25 0

02‘ 57?2‘97)‘ -(//‘ ?2/‘ 0(5‘ 41:5(3‘ D((7?‘ .23Q(2‘/1‘ @01?‘02‘ .2 7/29‘ /02‘ H7./(4: 7.5‘ 1%‘ 0(5‘ (3/2.Q(2@‘ @(/0‘ 1M‘ 2‘ 079‘ 75>29‘ 1M‘02‘ 57(9‘8:/‘ 132‘ I:25/(13< @02/02.‘/02.2‘ @2.2‘ 73)‘ /2.?5‘ 13‘ @0(40‘ 02‘ @1: 9‘ 7)‘ 0(?52 %‘ @(/0‘ /02‘ (3(5/.)‘ /1‘ @0(40‘ /02‘ .2H)‘ 079‘ 8223‘ <‘N‘ 132‘ @0(2‘ 1.9‘ 02 8:.32‘ .2?7(35 0‘ 5‘ .23Q(2‘ 50.2@9)‘ @.(/25‘ /1=0(5‘ 8.1/02.‘ 1.9‘ 2?H 2‘<‘N 02‘ 132‘ ?:5/‘ 02‘ Q2.)‘ 925H2.7/2‘ /02‘ 1/02.‘ Q2.)‘ 413%(923/‘ 82%1.2‘ 5:40‘ 7‘ I:25/(13‘ 41: 9‘ 82‘ 51‘ H:/‘ 739‘ 51‘ 735@2.29 0‘%‘ 02‘)1:3;‘ 5/7/25J ?73‘ @75‘ (3‘ /02‘ .(;0/‘ 1M‘ @75‘ 7 .279)‘ 81/0‘ 413%(923/‘ 739‘ 922H‘ (3‘ /0152‘ 7?23/78 2‘ 32;1/(7/(135‘ @(/0‘ 0(5‘%1.?2.‘ 73/7;13(5/‘ 1.9‘ 1./0‘ @0(40‘ 4135/(/:/29‘ /02‘ ;.27/‘ 2..1.‘ 739‘ ?(5%1./:32‘ 1%‘ 0(5‘ H:8 (4‘ 47.22.‘ 3)‘ /0.22‘ 97)5‘ 7%/2.‘ 0(5‘ (3/2.Q(2@‘ @(/0‘ -(//‘ 02 739‘ 1.9‘ 1./0‘ ?2/‘ 7/‘ /02‘ .25(92342‘ 1%‘ 21.;2‘ 1./0‘ 7%/2.@7(F95‘ /0(.9‘ 7.‘ 1%‘ :(J %1.9 TX‘ @02.2‘ /02)‘%(37)‘ 42?23/29‘ /07/‘ :337/:.7‘ H1 (/(47‘ 7 (7342‘ @0(40‘ 075‘ 2Q2.‘ 5(342‘ 8223‘ 2?H07/(47)‘ 9(5/(3J ;:(5029‘ 75‘ N‘ 02‘ 17 (/(13 0‘ e

337/:.7‘ /07/‘ 7 (7342‘ ?15/‘ :3I:25/(1378)‘ @75‘ 1.‘)27.5‘ H75/‘ (3‘ /02‘ 1:52‘ 1%‘ 1?? 135‘ 1M‘ 079‘ 8223‘ (3‘ /02‘ 078(/‘ 1%‘ 2MH.255(3;‘ 0(?52 %‘ 015/(2‘ /1‘ 7 ?15/‘ 2Q2.)‘ H1 (/(47‘ H.(34(H 2‘ 79Q147/29‘ 8)‘ 1.9‘ 1./0‘ 739‘ 1%‘ 5)5/2?7/(47)‘ 1HH15(3;‘ 7‘ 0(5‘ ?275:.25‘ Q2.‘ 739‘ 1Q2.‘ 7;7(3‘ (3‘ 73R

F‘ (501H‘ 1? (32=5‘ (%2‘1%‘ -(//‘ Q1 ‘ (‘ H‘ ",‘X :4>(3;07?‘ -7H2.5‘ Q1 ‘ (‘ HH‘ !S"‘ <,‘X 7.‘ :552 =5‘ 2?1.(7 5‘1%‘ 1M‘ Q1 ‘ ((‘ H‘ LL‘
/‘ :4>(3;07?‘ -7H2.5‘ Q1 ‘ (‘ H‘ !S,‘
/‘ 7.‘ : (52 =5‘ 2?1.(7 5‘1%‘ 1M‘ Q1 ‘ ((‘ H‘ L$‘
e‘ 5‘ 27.)‘ 75‘ /02‘ !S/0‘ 1%‘ :)‘ !$"+‘ 1.9‘ 1:;081.1:;0‘ (3‘ 7‘ 2//2.‘ /1‘ D((7?‘ 923‘ 7%/2.@7.95‘ 1.9‘ :4> 739‘ /0:5‘%1.2501@5‘ /02‘ H.74/(478((/)‘ 1%‘ /02‘%:/:.2‘ 739‘%7?1:5‘ N 17 (/(13 0‘ N)‘ 31/(13‘ (3‘ 501./‘ (5‘ /07/‘ H7./‘ 1%‘ /02‘ 1 9‘ s 1.9‘ 1./0=5Z‘ 9?(3(5/.7/(13‘@(/0‘ /02‘ .2?373/‘ 1%‘ /02‘ 14>(3;07?‘H7./)‘41: 9‘%1.?‘7‘ 5/78 2‘ 1Q2.3?23/‘ 02(.‘ 1HH15(/2‘%7: /5‘@1: 9‘ 41..24/‘ 2740‘ 1/02.‘ 739‘ 7?13;5/‘ /02?‘/02)‘@1: 9‘H155255‘?1.2‘407.74/2.‘739‘?1.2‘1%‘/02‘H:8 (4‘413%(92342‘/073‘73)‘ 1/02.‘7552?87;2‘1%‘?23‘ 02‘%(.5/‘/0(3;‘(5‘/1‘.24134(2‘ 1.9‘ 1./0‘739‘ 2M‘ 02‘ %(.5/‘)1:‘>31@‘(5‘(..24134(78 2‘/1‘31‘?73‘X /02‘524139‘@(‘%22‘0(5‘734(23/‘.2523/J ?23/‘/1/7)‘ 7851.829‘ (3‘ 0(5‘?1.2‘.2423/‘ 015/((/)‘ @0(40‘ ‘/0(3>‘02‘075‘31‘1/02.‘ ^../2735‘1%‘;.7/(%)(3;0‘ &)* ‘ $#‘Q1 ‘ (‘H‘,

; : 7 ; 2' /11' H755(137/2' 739' /11' 2 1 I : 23/' 31/' /1' (7Q2' ? 792' (392 (8 2' (? H . 255(135' 13' /02' 2 ? 82 . 5' 1%' /02' 1 : 52 ' 02' 079' 407 . ; 29' 1 . 9' 1 . /0' 739' /02' 7/2' (3(5/ .)' @(/0' 41 . . : H/(13 ' (347H74(/) ' / . 27402 .) ' 739' %7 520119 ' Q2 . ' 739' 1Q2 . ' 7 ; 7(3 ' 02' 079' 7(9' 7/' /02(. ' 911 . 5' 7 ' /02' ? (52 . (25' 739' 47 7 ? (/(25' @0(40' /02' ? 2 . (473' @7 . ' 079' 23/7(29' 13' /02' 41 : 3/ .) ' 739' 079' 2Q23' /0 . 27/2329' /02 ? ' @(/0' 73' (; 31 ? (3(1 : 5' 927/0' 13' /02' H : 8 (4B' 547%%1 9 ' 2' 079' 9231 : 3429B' 1 . 9' 1 . /0' 75' N' Q1(9' 1%' 01325/)' 739' 0131 : . 0' 2' 079' 1HH1529B0(5' 82(3 ; ' ; . 73/29' 7' H235(13' 13' /02' H 27' /07/' N' ? 23' @01' 07Q2' . : (329' /02(. ' 41 : 3/ .)' @2 . 2' 31/' 23/(/ 29' /1' /02' . 2@7 . 95' 1%' 392 . (/1R' . (1 : 5' 52 . Q(42 0' 01 : 9' 02' 2Q2 . ' ? 7>2' /2 . ? 5' @(/0' 73)' 132' ? 2 ? 82 . ' 1%' / (2' 7/2' (3(5/ .) ' @2 . 2' 0(5' @1 . 95' (3' /02' 1 : 52' 1%' 1 ? ? 135 ' 02' @1 : 9' N' . 25/' 57/(5%(29' /1' 82' 47 29' /02' ? 15/' (3%7 ? 1 : 5' 1%' ? 73>(39 0' 2' %: . /02 . ' 9231 : 3429' /02 ? ' 75' ? 23 ' N @01 ' (3' 2Q2 .)' H : 8 (4' 739' H . (Q7/2' / . 735J 74/(13 ' 75' (3(5/2 . 5 ' 079' 501@3' /02 ? 52 Q25' Q1(9' 1%' 2Q2 .)' H . (34(H 2' 1%' 0131 : . ' 739' 01325/) 0' 3' /02' 07395' 1%' 5 : 40' ? 23 ' 02' 2M4 7(? 29 ' 02' @1 : 9' 31/' / . : 5/' 0(5' 0131 : . ' 2Q23' %1 . ' 7' ? 1 ? 23/ F

5' D 7 H1 2' 1852 . Q25' (3' 132' 1%' 0(5' 2//2 . 5' /1' 79)' 551 .) %' /02 . 2' (5' 7' / . (/2' 1 9' 57)(3 ;' /07/' N' /02' 927 . 25/' %. (2395' ? : 5/' H7 . / 0' 8 : /' 31@' 7' 32@' 7M(1 ?' 079' 8223' 25/78 (5029' /07/' N' /02' 8(//2 . 25/' 232 ? (25' ? 7)' 2 ? 8 . 742 0' /' 075' 8223' 57(9 ' (39229 ' /07/' 32(/02 . ' 1 . 9' 1 . /0' 31 . ' 1M' 079' 2Q2 . ' H2 . 5137)' %15J /2 . 29' 73)' (' %22 (3 ;' /1@7 . 95' 2740' 1/02 . ' 8 : / ' 2Q23' (%' /02' %74/' 41 : 9' 82' H . 1Q29 ' (/' @1 : 9' /239' 8 : /' (// 2' /1' H7 (7/2' /02' 2M42H/(1378 2' 407 . 74/2 . ' 1%' /02 ? ' 32@' 7 (7342 ' 1/' (? H15J 5(8) ' 2740' ? 7)' 07Q2' H2 . 5 : 7929' 0(? 52 %' /07/ ' 8)' 74/(3 ;' 75' 02' 9(9 ' 0(5' 41 : 3/ .)' @1 : 9' 82' 7' ; 7(32 . ') 2/' (%' /02' @1 . 9' 7// . (8 : /29' /02 ? ' 4139 : 4/' /1' 1/02 . ' 739' 255' @1 . /0)' ? 1/(Q25 ' /02)' 079' 755 : . 29)' (// 2' . 27513' /1' 82' 5 : . H . (529 ' 0152' ? 1/(Q25 ' (3' /02' 1H(3(13' 1%' /02' ? 7G1 . (/)' 1%' /02(. ' %2 1@R

41:3/.)?23' @2.2 755(;378 2 /1 7?8(/(13' /1 /02 925(.2 %1.' H1@2.' 739 H 742' 739 /1 7 H2.5137' 739 41??13 .2H:;J 37342 /1 1.9 02 8:.32' Q23 /02 401(42 1% ?2735' 8)')PO(40 /02)' H.1H1529 /1 /:.3 1:/ /02 9??(5/.7/(13<' 37?2)' 1HH15(/(13 /1 /02 /2.?5 1% /02 .27/)' 1% -2742<' @75 5:;;25/(Q2 1% 2;.2;(1:5 7M(/)' 1% H1(/(47' H.(34(H 2' N 07/31/0(3;O @.(/25= 1.9 747:7)' N ?(;0/82 @73/(3;' /1 /02 547397' /02 ;.27/ 1.7/1.5 @01 079' 9:.(3;' 52Q23)27.5' /0:392.29 7;7(35/ /02 @7.' 92/233(329 /1 G1(3 @(/0 /02 7:/01.5 1%/07/ @7.'(3 H755(3;' 7 Q1/2 1% 4235:.2 13 /02 H2742 "F

3 /02 !$/0 1% 28.:7.)' 7 ?7G1.(/)' 1% /0(./223 H22.5 (3 /02 HH2.' 1:52 .241.929 /02(.' 7HH.187/(13 1%^/02 .27/)' 1% -2742' 8)' Q1/(3;' 73 99.255 1% /073>5 /1 /02 .1@3' 3 /02 1:52 1% 1??135 /02 99.255 @75 Q(1 23/)' 1HH1529 81/0 8)' 1M 739 1.9 1./0' /01:;0' %1.' ?73)' 97)5 H75/' Q7;:2 .:?1:.5 079 ;132 78.179 /07/ /02 /((8:32 1% /02 H21H 2 739 /02 407?H(13 1% 0(;0 H.2.1;7/(Q2 079 ?:/:7)' %1.;(Q23 /02(.' H2.5137' 73(?15(/(25' 739 079 ?792 :H /02(.' H1(/(47' 9(%%2.23425')2/ /02 1:52 1% 1??135 @2.2 547.42)' H.2H7.29 %1.' /0152 5/7./(3;' 2Q(923425 1% ;119R:392.5/739(3;' 739 ;119R%2 1@50(H' @0(40 ;.79:7)' 92Q2 1H29 /02?52 Q25K(3 /02 41:.52 1% /02 3(;0/=5 9287/2' 1M' (39229' >2H/ 874>' %.1?' /02 >31@ 29;2 1% /02 1:52 /02 %74/ 1% 0(5 07Q(3;' 23/2.29 (3/1 %1.?7' H1(/(47' 23J ;7;2?23/5 @(/0 1.9 1./0')2/' @023 /7:3/29 8)' :0975 739 1/02.5 13 /02 5:8G24/ 1% 0(5 7/2.29 73;:7;2' 02 522?29 /1 ;1.)' 7/ %(39(3;' 0(?52 % %(;0/(3;' (3 /02 57?2 .73>5 @(/0 0(5 734(23/ 232?)' 02 5/7/2 1% /0(3;5' 02 57(9' @0(40 079 14475(1329 /02(.' H1(/(47' 23?(/)' 31 13;2.' 2M(5/29R 02 ?2.(473 @7.' 739 @(/0 (/ /02 %2:95 739 /02 .7341:.' @0(40 (/ 079 23;2392.29' @2.2 7/B73 239' 2 @75 07HH)' 7/ 7' /(?25 /1 8:.)' 0(5 73(?15(/(25 ?

P ' SS Z ' -' ' ' S*,

18 (Q(13' 8 : /' 8(5' %(R(23958(H5' 82' 01H29' @1 : 9' 32Q2.' 9(2' 2' 879' %1 : 39' /82' 318 2' 1.9' 82' 79929' 73' 0131 : .78 2' '79Q2.J 57.)' 739' 82' 879' 31' 91 : 8/' 1%' 8(5' 1H233255' 739' 5(342.(/)' 75' 7' %.(239' 1M=5' 5H2240' @75' (5/2329' /1' 8)' ? 73)' @(/0' (3R' 9(;37/(13' (%' 31/' 413/2 ? H/' N' /' @75' 73' 7 ; 2' 1%' ; .27/' 413J 5H(.74(25'X'0' 57(9' - 1@)5' /82' ? 2 ? 82.' %1.' 1./07 ? H/135032' N' ' " ' " ' ' 879' /7>23' H 742' 82/@223' 7' 318 2' 1.9' 739' 73' (: 5/.(1 : 5' 41 ? ? 132.' ' /82' 1%/)' 7552./1.' 1%' /02' H.2.1;7/(Q2' 879' G1(329' (3' 7 (7342' @(/0' /82' @1.50(HH2.5' 1%' /02' 7G25/)' 1%' /82' - 21H 2 0' F

/' @75' %1 : .' 1=4 14>' (3BB/82' ? 1.3(3;' @023' - (//' .152' /1' 5H27>' 3' /82' .25 : /' 1%' 8(5' 2 1 I : 2342' ? 7)' 7 ? 15/' 82' 57(9' /1' 07Q2' 92H23929' /82' %7/2' 1%' /02' (3(5/.)' 2' @75' (' 01@2Q2.' 739' (..(/78 2' 739' 41352 I : 23/)' 78 2' /1' 91' G : 5/(42' 32(/02.' /1' 0(? 52 %' 31.' /1' 8(5' 41 27;:25' 3' /02' 1H(3(13' 1%' 0(5' %1.?2.' / : /1.' (501H' 1? (32' 8(5' 5H2240' 13' /0(5' 14475(13' @75' 132' 1%' /82' %228 25/' 82' 2Q2.' 92 (Q2.29' 2' @75' 2Q23' 82/.7)29' (3/1' .251./(3;' /1' H2.5137 (/(25X' /7 : 3/J (3;' 02.(973' %1.' (35/7342' @(/0' R8(5' 41332M(13' @(/0' /82' 5/7;2' 739' 79Q(5(3;' 0(?' /1' .252.Q2' 8(5' 9.7 ? 7/(4' / : .35' 739' 2H(;(=7 ? ? 7/(4' H1(3/5' %1.' 8(5' /027/.(47' 7 : 9(23425' 02' .2/1./' 1%' 02.(973' @75' 79 ?(.78 2' N' %' 2Q2.0' 82' 57(9' N' ' 7;7(3' 23;7;2' (3' /0152' 41 ? H15(/(135' /1' @0(40' /82' .(;0/' 0131 : .78 2' ;23/ 2 ? 73' 075' (3' 5 : 40' % 7//2.(3;' /2.?5' .2%2..29 F' ' ? 7)' 82' /2 ? H/29' /1' 73' 74/' 1%' H.25 : ? H/(13' ' ? 7)' 82' 2341 : .7;29' 8)' 8(5' H.7(525' /1' /.)' 73' (? H.1Q2 ? 23/' 13' 132' 1%' 23' 13513=5' 825/' 407.74/2.5' (3' /02' H 7)' 1%' /02' 40)R' ? (5/ < /02' 3;()' 1) 0 %' D 023' 7/' 52Q23' 1=4 14>' (3' /02' ? 1.3(3;' 7' (Q(5(13' /11>' H 742' (3(5/2.5' %1 : 39' /02 ? J 52 Q25' 92%27/29' 8)' 7' ? 7G1.(/)' 1%' 5(M/223X' 7' ? 7G1.(/)' @0(40' @1 : 9' 91 : 8/ 255' 07Q2' 8223' 5/(' 7.;2.' 8 : /' %1.' /02' 1%%2342

F' 2507?=5 2?1(.5 1% 21.;2 L' Q1(' (((' HH' L*, <!*X -7.(' (5/' Q1' MM(((' 41' S"$

/' 7.' /7301H2=5 (%2 1% -(//' Q1(' (' H' ,$X KD7H12=5 75/ 1:.375' Q1(' (' H' #"V

Q((4(/02 9(541Q2.) 1% /02 (3/(?74) 82/@223 1M 739 1.9 1./0 ;7Q2 /1 ?73) 1% /02 2?82.5F N 1?2 1% /02 5/7:34025/ %.(2395 1% 1M 739 /02 7Q239(5025 0 @.(/25 D7H12 N 2%/ /02?) 8247:52 /02) 079 G1(329 1.9 1./0 739 51?2 1% 1.9 1./05 %.(2395 9252./29 0(?) 8247:52 02 079 :3(/29 @(/0 1M O/ D.7M7 7 51 ?23J /(135 /02 9(541?H15:.2 1% 1M @023 13 11>(3;) .1:39 0(?) (3 /02 1:52 1% 1??135 02 427529 /1 8201 9 13 /02 HH15(/(13 8234025 /02 %7?((7.) %7425 1% 373) 1% 0(5 %.(2395

3 /02 +!5/ 1% 28.:7.) /02 HH15(/(13 /0.1:;0 /02(.) ?1:/0RH(242 1.9 103 7Q239(50 ?1Q29 (3 9(.24/ 739 2MJ H(4(/R/2.?5 7 41392?37/(13 1% /02 4139(/(135 1% /02 -2742 4:.(1:5 739 2M4(/(3;) 75 @2 75 (3/2.25/(3;) 9287/2 %1 1@29 ;7(3 H7./) 5H(.(/ @75 47..(29 /1 /02 ?15/ Q(1 23/ 23;/05X 7;7(3 /02 %(2.425/ (3Q24/(Q25 @2.2 2Q2 29 7/ /02 32@ 739 :301)7 (7342 1% /02 2M(5/2342 1% @0(40 /02.2 41:9 31 13;2.) 82 @2 7 91:8/ 1.) 1342 (3 0(5 (%2 1.9 1./0 75 D7H12 (3%1.?5 :5 N82/.7)29 /02 :/?15/ 73;:(50 7/ /02 /7:3/5 739 .2H.174025 /1 @0(40 02 @75 2MH1529 1 1.2 25H24(7) 02 (5 57(9 /1 07Q2 @(3429 82327/0 7 @(//) 739 @(/02.(3;) 57.475?) 1% 01?75 -(//) 2?82.) %1.) 9 7.:?) 02 318 2 2?82.) (3 /02 :2 (8739 57(9 0(5 ?2.4(255 U7557(73/) 079 31/ 13) 8) 0(5 H2.5(5/2342 (3 /02 ?2.(473 @7.) (3% (4/29 /02 ?15/ 4.:2) @1:395 :H13 0(5 41:3/.) 8:/ 31@ ≟8) 1HH15(3;) /02 -2742 @75 91(3;) 0(5 :/?15/ /1 H.2J Q23/ 7 027 (3;) 57 Q2 82(3;) 7HH (29 /1 /02?) 02 4752 02 79929 .2?(3929 0(?) 1% /07/ 1% 7 ?73 7/ :.) @01 13 27.3(3;) /07/ 7 8.1/02.R(3R 7@ @01?) 02 079 47:529 /1 82 755755(37/29 @75 (3 7 %7(.) @7) 1% .241Q2.(3;) %.1?) 0(5

U N 02.2 7.2 ;.27/ 3:?82.5 1% 2?82.5 O @.(/25 1.9 :>2 2) /1 1.9 2?H2 N @01 7.2 1:/.7;21:5 7/ /02 G:34/(13 1% 1M @(/0 1.9 1./0 O :4>(3;07?) -7H2.5 Q1 (H !##

]D7H12=5 75/ 1:.375 Q1 ((H V""L

\ '5 # Q1 ((H V""

@1:395' 079' Q(5(/29' 0(?' (3' 0(5' 5(4>' 407?82.' 739' /1.3' 7@7)' 0(5' 87397;25 #F

(5' ;(%/29' 41:5(3' D((7?' -(//' 92 (Q2.29' 13' /0(5' 14475(13' 7' 5H2240' @0(40' 75/29' %1.' /@1' 01:.5' 739' /0.22' I:7./2.5' 3' (/5' 5:44255' 1.' %7(:.2' 75' 02' 0(?52 %' ?:5/' 07Q2' 8223' @2' 7@7.2' @1:9' 92H239' (3' 7' H.1878((/)' 0(5' 7?15/' (??29(7/2' 2 2Q7/(13' /1' /02' -.2?(2.50(H' 1.' 2 52' 7' 13;' H15/J H132?23/' 1%' /02' .27 (67/(13' 1%' /02' 9.27?5' 1%' 0(5' 27.)' 7?8(/(13' 1' 7' 7HH27.7342' /02' 4073425' 1%' 5:44255' @2.2' ;.27/)' 7;7(35/' 0(?' 3' 799(/(13' /1' 781:.(3;' :392.' /02' 9(579Q73/7;25' 1%')1:/0' 1%' (39(%%2.23/' 027 /0' 739' (35:%%(J 4(23/' 2MH2.(2342' (3' H:8(4' 7%%7(.5' 02' 079' /1' 413/239' 31/' 13)' 7;7(35/' /02' 2 1I:2342' 1%' 5:40' -7.(7?23/7.)' ;>(3/5' 75' :.>2' 02.(973' 739' 1./0' 8:/' 7;7(35/' 132' @01' @1:9' 07Q2' 8223' 7' ;(73/' (3' 73)' 7;2' 739' (3' 73)' 41:3/(R)' 07.25' 1M' 07/' -(//' %:)' 7HH.24(7/29' 739' %.22)' 79?(//29' /02' %1.?(978 2' H1@2.5' 1%' 0(5' 925/(329' .(Q7' 7?H 2' 2Q(92342' 2M(5/5' /1' H.1Q2' D023' 7' %2@' ?13/05' 7%/2.@7.95' 13' /02' %(.5/' 739' 75/' 14475(13' 1%' 0(5' 4.155(3;' /02' .(/(50' 07332' /02' 88W' 92' 7;27.9' H:/' /02' I:25/(13' /1' 0(?' 01@' 7' 37/(13' 51' ?1.7' 75' /02' .(/(50' 41:9' 5:8?(/' /1' 82' ;1Q2.329' 8)' 7' 5/7/25?73' @0152' >.2;:7.(/(25' (3' H.(Q7/2' (%2' @2.2' 51' 31/1J .(1:5' 75' /0152' 1%' 1M' -(//=5' .2H)' @75' 7/' 1342' ;232.1:5' 41?H.20235(Q2' 739' ;.742%:' N 1:' 07Q2' 32Q2.0' 02' 57(9' N' 8223' :392.' /02' @739' 1%' /02' 7;(4(73 0'%' /' 731/02.' /(?2' -(//' ?792' /02' .2?7.>' /07/' @0232Q2.' 02' /01:;0/' 02' 079' 5H1>23' 82//2.' /073' :5:7' 02' %1:39' /07/' N 1M' 5:.H75529' 0(?J 52 %' (3' 0(5' .2H)0' 07/' :392.' /0252' 4(.4:?5/73425' -(//' 82%1.2' .2H)(3;' /1' 1M' 501:9' 07Q2' 8223' 73M(1:5' /1' 47/40' 2Q2.)' 7.;:?23/' 37)' 2Q2.)' @1.9' /07/' %2' %.1?' /02' (H5' 1%' 1M' @75' 13)' 37/:.7' :/' 02' @75' 5/(' (' X' 51' (' /07/' 9.279(3;' /02' 5:9923' 41352I:23425' 1%' 7' 9(51.92.29' 5/1?740

F' D7H12=5' 75/' 1:.375' Q1' ((' H' V""]' (%2 1% D(82.%1.42' Q1' (' H' L"' (' 7.' :552 =5' 2?1.(75 1%' 1M' Q1' (((' H' +S"

02' @75' /1' 02' 5223' @0(2' 1M' @75' 5H27>(3;' @(/0' 0(5' 0739' :H13' /02' 0739 2' 1%' 7' 911.' @0(40' 1H2329' (3/1' 7' H1./(41' 820(39' /02' 1 9' 1:52' 1%' 1?? 135 F' 39(5H1529' 01@2Q2.' 75' 02' @75' 02' 31/' 13)' 5H1>2' 79?(.78)' 8:/' 0(5' 5H2240' 13' /0(5' 14475(13' 075' 8223' H.131:3429' 8)' 0(5' 79?(.2.5' 75' 132' 1%' /02' Q2.)' %(325/' 02' 2Q2.' 92 (Q2.29' (5(3;' (??29(7/2)' 7%/2.' 1M' 079' 57/' 91@3' 02' (3Q2(;029' 7;7(35/' 0(5' N:3J 37/:.7' 417 (/(13'0' @(/0' 1.9' 1./0' (3' 73;:7;2' 1%' 1%/)' (39(;37/(13' N' 02' /.(:?HO5' 1%' -7./) 0' 02' 57(9' N' @(/0' @0(40' /0(5' 52 %R7HH1(3/29' (3(5/2.' 522?5' 51' 0(;0)' 2 7/2' 507' 32Q2.' 529:42' ^'/1' 73)' (34135(5/234)' @0(40' /02' 8:5(25/' 5:5H(4(13' 507' H.25:?2' /1' ; 7342' 7/' @(' 32Q2.' 23;7;2' (3'KF /Y(/(47' 23?(/(25' @(/01:/' 7' H:8 (4' 47:52' '' @(' 32Q2.' %1.2;1' 5:40' 23?(/(25' @(/01:/' /02' H:8 (4' 7HH.187/(13X' 31.' @(' y'82' I:25/(1329' 739' 475/' 1%%' (3' /02' %742' 1%' /0(5' 1:52' 8)' 132' Q(./:1:5' 739' 9(557/(5%(29' %(((239 0< N' %0' 02' 79929' N' /0(5' 8732%:' 7 (7342' (5' 31/' 7 .279)' %1.?29'X (%' /0(5' (R' 1?2329' ?7..(7;2' (5' 31/' 7 .279)' 51 2?3(629P' '>31@' 7'G:5/' 739' 7@%:' (?H29(?23/' 739' (3' /02' 37?2' 1%' /02' H:8 (4' 57%2/)' ' 02.2' %1.8(9' /02' 7335 0' %

:/' (/' @75' :H13' 1.9' 1./0' /07/' /02' @2(;0/' 1%' -(//=5' 2 1I:23/' (39(;37/(13' H.(34(H7)' %2 ' D07/2Q2.' 02' 57(9' ?(;0/' 7HH27.' 9(50131:.78 2' 1.' (3792I:7/2' (3' /02' H.1H1529' 7./(4 25' 1%' -2742' @h5' 407.;278 2' /1' /02' 18 2' 1.9' (3' /02' :2' (8739' @0152' H.1%:52' 2MH239(/:.2' 1%' /02' H:8 (4' ?132)' @0152' /2?2.(/)' 739' 185/(374)' (3' H.1/.74/(3;' 7' 31/1.(1:5)' H2.3(4(1:5' 739' 1HH.255(Q2' @7.' 739' @0152' ://2.' :3%(/3255' /1' %(' /02' 0(;0' 5/7/(13' @0(40' 02' 079' .2423/)' I:(//29' .2392.29' 7' H2742' 1%' 73)' 9254.(H/(13' 7851 :/2)' 3242557.)' %1.' /02' H.252.Q7/(13' 1%' /02' /7/2' %/2.' 7' /1:40(3;' 7 :5(13' /1' /02' 2M7 /29' H1 (/(47' H.242H/5' @0(40' 02' 079' (?8(829' %.1?' 0(5' (:5/.(1:5' %7/02.' 02' 5H1>2' @(/0' 4022.%:3255' 1%' 0(5' 1@3

U' (%1'1% D(82.%1.42' Q1' (' H' +#
]' -7.(' (5/' Q1' MM (' 415' #SL' #V+' X 7.' /7301H2=L' (%2 1% -(//' 1' (' HH' ,,'
(31

7HH.1740(3;' .2/(.2?23/' (3/1' H.(Q7/2' (%2' 4134 :9(3;' 0(5' ?2?1.78 2' 1.7/(13' @(/0' /02' %(32' %(325' 1%' 1.742 <

N' 1./:37'5/2Q1' /7'32;1/(1'2/'
:9:?'(351 23/2?' :92.2'H2./(:7M
.735?:/r/'(342./15'0131.25
:3:'?(0('3:34'7((' 823(;37
7:91'?7323/2?' (' 42 2.25'I:3/(/'
-23375'.25(;31'I:'9W9(/0'n4

3' 41?(3;F'/1'/02' @1.95' T ' _' " ' ' K<'
@0(40' 02' 1?(//29 < 02' H1(3/29)' 739' ?1925/)' H7:529' %1.' 7' ?1?23/' 1.' /@1' 739' /023' 2?H07/(47)' 5/.(>(3;' /02' /78 2' @(/0' 0(5' 0739 < 79929 <'

N RRRR H.187?I:2
-7:H2.(2?'5(32'91/2'I: .10' I # 0 5# ' 4'+, F

:/'5H 239(9' 75' @75' /02' /.(:?H0' 740(2Q29' 8)' /02')1:3;' 5/7/25?73' 0(5' 2%%1./5' H.1Q29' H1@2. 255' 7;7(35/' /02' :3(/29' 5/.23;/0' 1%' 1M' 739' 1.9' 1./0' D023'7/' /0.22' 1=4 14>' (3' /02' ?1.3(3;' /02' 1:52' 47?2' /1' 7' 9(Q(5(13' (3(5/2.5' 7;7(3' %1:39' /02?52 Q25' (3' 7' ?(31.(/)'X /02' 3:?82.5' 82(3;' /@1' 0:39.29' 739' 52Q23' /1' 132' 0:39.29' 739' 3(32/)

0(5' .2?7.>78 2' 9287/2' /11>' H 742' 13' .(97)' /02' +!5/' 1% 28.:7.)' 739' 13' 1397)' /02' +S/0' 1.9' 02 8:.32' .2J 5(;329' /02' H.2?(2.50(H' /' /@1' 1=4 14>' 13' /07/' 97)' 232.7' :3(3;07?2' @.(/25' /1' 1.9' 2?H 2 < N' 1.9' 02 8:.32' (5' 31@' (3' /02' 4 152/' .25(;3(3;' 739' ?15/' 1%' 0(5' 41 27;:25' (3' /02' 1:/@7.9' .11?'/1' %1 1@' 0(5' 2M7?H 2' 02' 07342 1.=5' .25(;37/(13' (5' 91:8/%:0'%' 0:5' 9(9' 7' 1:52' 1%' 1??135' @0(40' 075' 8223' 41??13)' .2H.2523/29' 75' :3:5:7)' 41.J .:H/' 739' 75' :39:)' (3% :23429' 8)' /02' 1:./' 1Q2./0.1@' /@1' 52Q2.7' 9?(3(5/./7/(135' (3' /02' 41:.52' 1%' 7' 5(3;2')27.'†\

U' 7.' /7301H2=5' (%2' 1%' -(//'Q1'('HH'!** !*!'X -7.(' (5/'Q1'579((' 41'VV
]' :4>(3;07?'-7H2.5'Q1''('H'!##
' N @(42'(3'132'/@2Q2?13/00@.(/25' D7H12'N/02'57?2' 1:52' 1%' 1??135' 1Q2./:.329' /@1' 9?(3(5/.7/(135<7' 5/.13;'7.;:?23/'7;7(35/' /1:40(3;' /02' ?192' 1% 2H.2523/7/(13' (9'(/'@73/'41..24/(13'(%'7'-7.(7?23/'401523'8)' /02' 1:./' 739' .24>1329' ?15/'41..:H/' 739' 787391329' /1.2' /@1' (3(5/2.5%.1?' /02' (3;'(3' 132')27.'ĉ0' o '? 'Q1'((' H'#"#

- ‘ &

1M‘ 739‘ 0(5‘%.(2395‘7;.22‘/1F.H41?‘?239‘/02‘ 3>2=1%P-1./ 739‘/1‘/02‘ (3;‘75‘-.2?(2.‘ <D((7?‘-(//‘H.25529‘/1‘7442H/‘/02‘-.2?(2.50(H P‘8:/‘924 (325< 02‘1%%(42‘ 1%%2.29‘/1‘ 1.9‘ 1./0‘8:/‘924 (329‘8)‘0(?<P 02‘-.(342‘1%‘D7 25‘7 (25‘0(?52 %‘ @(/0‘ 1M‘739‘0(5‘H7./)< (5/.255‘1%‘/02‘ (3;‘7/‘07Q(3;‘/0W‘D0(;5‘%1.429‘ PH13‘0(?‘739‘7/‘/02‘?(54139:4/‘1%‘/02‘-.(342‘1%‘D1[25< 02‘ (3;‘:.;25‘ -(//‘/1‘7442H/‘/02‘-.2?(2.50(H<-(//‘7%/2.‘4135:/(3;‘Q(/0‘0(5‘%.(2395‘7;7(3‘ 924 (325< .(/(47‘5/7/2‘1%‘H:8 (4‘8:5(3255< 02‘ (3;‘8 7?25‘/02‘ 17 (/(13‘739‘ /02‘ 17 (/(13‘8 7?25‘/02‘ (3;<-:8 (4‘1H(3(13‘73‘%7Q1:%‘1%‘/02‘ (3;< %/2.‘ 731/02.‘7//2?H/‘/1‘23;7;2‘ 1.9‘ 1./0‘/02‘ (3;‘(5‘41?H2 29‘/1‘47 ‘ (3‘/02‘ :>2‘1%‘-1./ 739‘@01‘8241?25‘-.2?(2.< 02‘ 17 (/(13‘ (3(5/.)< :.>2‘739‘ 02.(973‘31/‘(3‘/02‘ 78(32/<-(//=5‘?1/(13‘%1.‘-7.(7?23/7.)‘ 2%1.?‘92%27/29‘ <-1(/(47‘ 7.(47/:.25‘8)‘ 7)2.‘739‘ (.7) < :/:7‘827.(3;‘1%‘/02‘ (3;‘739‘ 0(5‘32@‘ (3(5/2.5P‘H7./(4: 7.)‘ 1M‘(3‘/02(.‘(3/2.41:.52‘13‘H:8 (4‘8:5(3255

1M‘ 739‘ 1.9‘ 1./0‘31@‘ 11>29‘:H13‘/02(.‘/.(:?H0‘75‘ 413(H 2/2‘ 1‘57/(5%(29‘(39229‘@2.2‘/02)‘/P /‘/02‘92%27/‘1/‘ 1.9‘ 02 8:.32‘@1:9‘14475(13‘/02(.‘1@‘(??29(7/2‘.2/:.3‘ /1‘1(%(42‘/07/‘/02)‘41??23429‘?7>(3;‘/02(.‘ (3(5/2.(7‘ 7..73;2?23/5‘2Q23‘@0(2‘/07/‘318 2?73‘@75‘5/(‘(3‘H1@2.‘ 2Q2.7)‘@7(Q(3;‘/02(.‘(39(Q(9:7‘H.2/235(135‘/1‘/02‘H.2?(2.J 50(H‘/02)‘7;(=229‘/1‘9(4/7/W‘/1‘/02‘ (3;‘7‘ (3(5/2.‘@01‘ @1:9‘82‘57/(5%(29‘@(/0‘/02‘0(;0‘0131:.‘1%‘82(3;‘/02‘%(.5/‘ 52.Q73/‘1%‘/02‘ .1@3‘/01:;0‘23G1)(3;‘13)‘/02‘52?8 7342‘ 1%‘H1@2.‘ 02(.‘401(42‘%2‘:H13‘/02R‘/0(.9‘ :>2‘1%‘-1./J 739‘7‘318 2?73‘1%‘@0152‘?192.7/2‘4 7(?5‘/1‘01 9‘0(;0‘ 1%%(42‘@2‘07Q2‘7 .279)‘079‘14475(13‘/1‘5H27>‘739‘@0152‘ 13)‘7HH.23/(4250(H‘(3‘ /7/2‘8:5(3255‘4135(5/29‘(3‘0(5‘07Q(3;‘ 8223‘1.9‘07?82.7(3‘(3‘ 1.9‘ 14>(3;07?=5‘%(.5/‘ 9J ?(3(5/.7/(13‘739‘.2423/)‘%1.‘%(Q2‘?13/05‘ 1.9R (2:/2373/‘ 1%‘.2 739

079 52 24/29 7 N%(2 9 1% 87// 2 /02 @1.5/ 02 41: 9 07Q2 401523 0F 1.21Q2. 8) 0(5 N :3@7..73/78 2 H.2/235(130 (3 31@ %1. /02 524139 /(?2 9(5H:/(3;/02 (3;=5 4135/(J /:/(137 .(;0/ 1% 31?(37/(3;0(5 1@3 (.5/ (3(5/2. 02 ?:5/ 3242557.( ) .2392. 0(?52 % ?1.2 18G24/(1378 2 /073 2Q2. /1 0(5 1Q2.2(;3

3 /02 ?273 /(?2 ;.27/ (39229 @75 /02 (3;=5 7%% (4/(13 7/ /02 H.15H24/ 1% 07Q(3;/1 5:3R2392. 7/ 9(54.2/(13 /1 /02 ?73 @01?02 7 (>2 .2;7.929 75 7 973;2.1:5 H1 (/(47 2?H(.(4 739 75 /02 413/7?(37/1. 1% /02 ?1.7 5 1% 0(5 %(.5/J 81.3 1.21Q2. 0(5 7%% (4/(13 @75 (34.27529 8) /02 0:?(J (7/(3;.2% 24/(13 /07/ (/ @75 31 13;2./02 ;.27/ D0(;' H7./) 75 7 819) @0(40 /0.27/2329 /1 /7>2 0(?47H/(Q2 8:/ 7 ?2.2 524/(13 1% 0(5 %1.?2./).73/5 3 /0(5 /.)(3;4.(5(5 RO(5 40(2% 01H2 1% 92 (Q2.7342 7HH27.5 /1 07Q2 7(3 (3 /02 9(5;:5/ @0(40 02 .(;0/)(?7;(329 /07/ -7.(7?23/ 739 0(5 5:8G24/5 @1:9 %22 7/ 51 :337/:.7 7 417 (/(13 75 /07/ 82/@223 1M 739 1.9 1./0 (// 2 75 @75 /02 1Q2 1. .25H24/ @0(40 02 81.2 %1. 1.9 02 8:?2% 02 @1:9 @((3;)07Q2 H.2Q7(29 :H13 /07/ 318 2?73 /1 .2?7(3 7/ /02 0279 1% /02 1Q2.3?23/ 925H(/2 0(5 9(541?%(/:.2 (3 /02 1:52 1% 1??135 (3 /02 01H2 /07/ H2.52Q2.J 7342 739 7 ;119 47:52 @1:9 82 :/(?7/2) .2@7.929 @(/0 5:44255 N 02 (3;0 @.(/25 D((7?.23Q(2 /1 1.9 2?H 2 13 /02 !,/0 1% 28.:7.) N (5 924(929) @(/0 1.9 02 8:.32 0 X 1.9 02 8:.32 01@2Q2. 7HH27.5 /1 07Q2 .2;7.929 /02 H.15H24/ 82%1.2 0(?5 73 ://2.)

F 7.=5 ;552 =5 2?1.(7 5 1% 1M Q1 (H S#$
]' 22) HH LV, L#* 739 31/2 3 7 2//2./1 1.9 1./0 @.(//23 (3 7.40 !$$" @2 %(39 /02 (3;5H27>(3;1% 0(5 9(5 (>2 /1 1.9 02 8:.32 82(3;(3%2.(1.13) /1 /02 7Q2.5(13 @0(40 02 %2 / /1@7.95 D(>25 #H " $)' 4 L Q1 (H !*" /(5 H155(8 2P /07/ /02 (3;=5 .2?7.> ?7) 13) 07Q2 8223 ?273/ /1 7HH) /1 1132 7..W @0152 37?2 02 41:H25 @(/0 /07/ 1% 1.9 02 8:.32 3 731/02. 2//2. 01@2Q2. /02 (3;?23/(135 0(5 07Q(3;8223 0(;0) (3423529K 7/ 42./7(3 73;:7;2 :529 8) 1.9 02 8;.32 X 8% #) H X 739 (3 7 /0(.9 2//2. 02 5/) 25 0(?N /02 25:(/0 22) H L#! 739 , ' 'C 2) Q1 (H S$,
/ :4>(3;07?-7H2.5 Q1 (H !#"

01H2 255' 132' 739' 7441.9(3;) ' ; .27/)' /1' /02' 9(5/.255' (%' 31/' /02' (39(;37/(13' 1%' /02' (3;' 02' H2.5(5/29' (3' 0(5' .251 :/(13' 1%' /0.1@(3;' :H' /02' .2(35' 1%' 1Q2.3?23/' N 2' s/02' (3;Z' O' @.(/25' 1.9' 2?H 2' N'.247H(/: 7/29' s/1' ?2Z' 7 ' /02' /.73574/(135' 1%' /07/' H2.(19' @(/0' /02' 5/.13;25/' 2341?(:?' :H13' .' -(//' 739' @(/0' ?:40' 7HH7.23/' 74.(?13)' H1(3/29' 7/' 1.9' 02 8:.32' @01?' 02' 5/7/29' /1' 07Q2' 787391329' 7' 5(/:7/(13' @0(40' @75' /2378 2' 739' H7./(4: 7.)' 51' 7%/2.' /02' H1H: 7.' .2523/?23/' 079' 8223' .1:529 0F' 441.9(3;' /1' 1.9' 1 739' 1.9' 02 8:.32' 13' /02' 1/02.' 0739' 31/' 13)' N'7 @7)5' 41?H 7(329' /07(./02' (3;' 079' /.(4>29' 739' 9252./29' 0(?' (3' !$"+' 739' !$"L O' 8:/' N'7 @7)5' 5:5H24/29' /02' 1:./' 1%' 524.2/)' 4133(Q(3;' 7/' 0(5' 91@3%7 0T' @2(;0/ 01@2Q2.' (5' /1' 82' 7//74029' /1' /0252' 407(B;25' ?7)' 82' ; 27329' %.1?' /02' %1.2;1(3;B' 2Q(92342' 1%' .' .23Q(2' 739' 1.9' 2?H 2

02' .25(;37/(13' 1%' 1.9' 02 8:.32' 41?8(329' @(/0' /02' (3;=5' 7Q2.5(13' /1' 1M' 1H2329' 7' 5H 239(9' %:/:.2' %1.' -(//' 3' /02' 97)' 13' @0(40' 02' 92 (Q2.29' 0(5' 8.((73/' 5H224O' (3' 92%2342' 1%' /02' 02 8:.32' 9??(5/.7/(13' 02' @73/29' /0.22' ?13/05' /1' 41?H 2/2' 0(5' /@23/)' %1:./0')27.' 2/' 31/@(/0J 5/739(3;' 0(5')1:/0' 739' 8.(2%' 75' 079' 8223' 0(5' 7HH.23/(42J 50(H' (3' /02' 4139:4/' 1%' H:8 (4' 8:5(3255' (/' @75' /02' 1H(3(13' 1%' ?1.2' /073' 132' 2MH2.(23429' 739' %7.R5(;0/29' 5/7/25?73' 1%' /02' 97)' /07/' 02' @75' /02' %(//25/' H2.513' /1' 279' /02' 41:34(5' 1%' 0(5' 1Q2.2(;3' ?13;' /0152' H2.5135' @75' 1.9' 02 8:.32' 0(?52 %' /1' @0152' 4.29(/' (/' @75' /07/' @023' /02' 1.9' 9Q147/2' :3975' 2M01./29' 0(?' /1' .241??239' -(//' /1' /02' (3;' %1.' /02' H.2?(2.50(H' 02' .279( )' 739' 627 1:5)' :392./11>' /02' 41??(5J 5(13' 07/' 1.9' 02 8:.32' 73/(4(H7/29' ?73)' 18G24/(135' 13' /02' H7./' 1%' /02' (3;' (5' 2M/.2?2)' H.1878 2' 1/' 13)' 13' 7441:3/' 1%' -(//=5')1:/0' 739' %.1?' 0(5' 82(3;' /02' 513' 1%' /02

F' :4>(3;07?' -7H2.5' Q1 ' (' H' L*L
/' 7.' (:552 =7 2?1.(7 5' 1%' 1M' Q1 ' (' H' S$,' X' Q1 ' ((' H' #V' 22' !)? '
)) ' 'B U' Q1 ' (' H' V!X' 4$# - A 0 ? 2. 2# ((' HH' V#$ < "
'

07:;((/)739(?H.74/(478 2 07/07?@75/02 79Q(42 (>2)/1 82 :3H7 7/78 2/1/02 (3;8:/02H1 (/(47H.(34(H 25 1%/02)1:/0%: 5/7/25?73 @2.2 (3 ?73) .25H24/5 9(7?2/.(47) 1HH1529/1/0152 1%/02 1:./ 02) 9(%%2.29 (39229 (3 31 ?7/2.(7 H1(3/5%.1?/0152 1% 1M -(//@75@07/ (3 1:. /(?2 ?(;0/82 .2;7.929 75 73 79Q73429 (82.7 2 079 5H1>23 (3/02 1:52 1% 1??135 (3 %7Q1:. 1% :.>2=5 ?275:.2%1. 4131?(47 2%1.?2 079 1HH1529/02@7. @(/0 ?2.(47 739 79Q147/29 ?2.(473 392H2392342 2 @75/02 7Q1@29 232?)1%4 152 81.1:;05/1/02 2M(5/2342 1% @0(40 02 7//.(8:/29 7 /02 ?(5%1./:325 @0(40 1% 7/2)27.5 079 82%7 23 /02 41:3/.) 2 079 5:HH1./29 92?73 7@8.(9;2=5 (%1. 501./23(3;/02 9:.7/(13 1% -7.(7?23/5 739 75/) 02 079 0(?52 % (3/.19:429 (3/1/02 1:52 1% 1??135 7 ?275:.2%1. -7.(7?23/7.) 2%1.?

3 /02 1/02. 0739 -(// 079 ?73) I:7(/(25 @0(40 @2.2 47 4: 7/29 /1 .2392. 0(?7;.2278 2/1/02 (3; 2 @75 (39:5/.(1:5 739 /02 (3; .2;7.929 (39:5/7) 75 7 Q(./:2 2 @75 Q:=/:1:5 739 /02 (3; Q232.7/29 Q(./:2 D(/0 7 87.2 H(//7342 1% /0.22 0:39.29 7)27. 02 079 .2G24/29 7 57 7.) 1% %(Q2 /01:5739 D023 /02.2%1.2 1.9 02 8:.32 ?23/(1329 0(?(3 /02 .1)7 4 152/75 82(3;/02 %(//25/H2.513 /1 01 9 /02 .2(35 1% H1@2. /02 H.1H15(/(13 @75 (5/2329 /1 8) /02 (3; @(/0 73)/0(3; 8:/9(557/(5%74/(13 N 02 (3; 0 @.(/25 :3975 13 /02 +V/0 1% 28.:7.) N.242(Q29 (/27;2.) 739 (35/73/) ?792 /02 1%%2. /1 . -(// @(/0 2Q2.) 755?B7342 1% /02 :/?15/5:HH1./ .-(// 925(.29 /1 8 @75 @(/0 0(?7 75/3(;0/739 .^ (;8) #8 8223 @(/0 0(?7 /0(5 ?1.3(3; ;1(3; /0.1:;0 5/7/2 1:52 1% 1??135 07Q2 (// 2 91:8/ + 7331:342 0(?52 % (3(5/2. /1R?1..1@ 0 F < (329 7/-(//=5 0 @.(/25 %.(239 D(82.%1.42 13 /02 +S/0 N 739 027.9 1%/02 Q2.) 5:.H.(5(3; H.1H15(/(135 0 %

F 02 1.9 9Q147/2 /1 0(5 8.1/02.7.C + 0 > Q1 (H !*V]' (/2 1% D(82.%1.42 8) 0(5 135 Q1 (H +$

:/' 5/.13;' 75' ? :5/' 07Q2' 8223' /02' /2?H/7/(13' 739' ;.27/' 75' @75' /02' 9(%%2.2342' 82/@223' 9(5H235(3;' 1.132/5' 739' 7./2.5' 739' .2/:.3(3;' /1' 0(5' 87..(5/2.=5' @(;' 739' ;11?)' 7@R407?82.5' (3' (341 3=5' 33' -(//' 7%/2.' 07Q(3;' ?7/:.2)' @2(;029' /02' 9%%(4:/(25' @0(40' 5/119' (3' 0(5' H7/0' .2G24/29' /02' 5H 239(9' 1Q2./:.2' N' 02' 1%%2.0' @.(/25' 0(5' 41:5(3' D(J (7?' .23Q(2' /1' 1.9' 2?H 2' 13' /02' +#/0' N' @75' ?792' /1' -(//' 1%' /02' .275:()' @(/0' ' % ' @0(40' 7%/2.' /@1' 97)5= 92 (82.7/(13' 02' 075' /0(5' 97)' .2%:529 0 F< N 02' 1%%2.0' @.(/25' D7H1 2' N' 31' 91:8/' @75' 9766 (3;' 739' 51' %7.' @1./0' 7442H/(3;' 75' ' % ' ' * ' ' ' # 0' @75' ;1.(1:5' 7/' 0(5' 7;2 0' 0K

2M/' /1' -(//' /02' (3;' @1: 9' 7HH7.23/)' 07Q2' H.2%2..29' 522(3;' 7.' 1@2.' 7/' /02' 0279' 1%' /02' .275:.) X' 8:/' /07/' 318 2?73' Q2.)' 37/:.7)' 50.73>' %.1?' :392./7>(3;' 7' /75>' %1.' @0(40' -(//' 079' 924 7.29' 0(?52 %' /1' 82' :32I:7 ' 02' (3;' 079' 31@' 31' 1/02.' 7 /2.37/(Q2' 8:/' /1' 79Q(52' @(/0' 132' 1.' 1/02.' 1%' /02' 279(3;' ?2?82.5' 1%' /02' 17 (/(13' 739' 7441.9(3;)' (/' @75' %1.' 1.9' 1./0' 75' 82(3;' 255' 18G24/(13J 78 2' /1' 0(?' /073' 2(/02.' 1M' 1.' /02' :>2' 1%' -1./ 739' /07/' 02' 523/' 1/' /07/' 21.;2' /02' 0(.9' 7/' /0(5' H2.(19' 41:9' 07Q2' .2;7.929' /02R4139:4/' 1%' 1.9' 1./0' @(/0' 73)' 1/02.' %22 (3;5' /073' /0152' 1%' ;.(2%' 739' 73;2.' (%' 31/' 9(5;:5/' 1' 4.:2)' (39229' 9(9' 02' (?7;(32' 0(?52 %' /1' 07Q2' 8223' 7873J 91329' 739' 82/.7)29' 8)' 0(5' %1.?2.' (3(5/2.' 739' %.(239' /07/' 07HH23(3;' /1' ?22/' /02' Q232.78 2' 7.' 1%' :(%1.9' (3' /02' A:223=5' 7H7./?23/5' /02' 5(;0/' 1%' /02' %7/02.' % :3;' 0(?' (3/1' 7

' :4>(3;07?' -7H2.5' Q1 ' (' H' !#"
]' D7H1 2=5' 1:.37 5' Q1 ' ((' H' #,!' N 2' 42./7(3)0' @.(/25' D7H1 2' N 413J 523/29' %1.' 7' %2@' 01:.5' 8:/' 5113' .2/.74/29' 1?2' /01:;0/' #' $ %" ' # " # #' ' ' " 0'0' 8:/' /02.2' ?(;0/' 8' 731/02.' .27513' X ' ' # ' ' ' 0' # 0' #' " " 0 1' 8% #)' D2' 07Q2' 5223' 01@' 41?H 2/2)' D7H1 2' @75' @.13;' (3' 81/0' /0252' 5:.?(525' (5' %.(2395' @.(/25' -(//' /1' 0(5' ?1/02.' 13' /02' +V/0' N 7.2' 573;:(32' (3' /02' 2MH24/7/(13' 1%' 0(5' 5:44255X' #' $ %" ' ' ' + 0' @<N 02' (3;0' 7995' -(//' N@023' ' @23/' (3')25/2.97)' #' ' ' ' ' /1' /7>2' 1.9' 02 8:.32=5' H 742 0' $ F' ' '<)Q1 ' (' HH' !*V<#
(' D7H1 2=5' 75/' 1:.37 5' Q1 ' ((' H' V,*

' ``'

5/7/2' 1%' 7;(/7/(13' @0(40' 02' %1:39' (/' (?H155(8 2' /1' 413427 ' N')' 1.9' :(%1.9 0' 02' 2M4 7(?29' 75' 02' @.:3;' /02' 7.=5' 07395' N' 9(9' ' 2Q2.' /0(3>' /07/' 1.9' 1./0' @1:9' 07Q2' 92(Q2.29' ?2' :H' (3' /0(5' ?7332.' /1' .' 1McO F' 1.9' 1./0' (/' ?:5/' 82' .2?2?82.29' 079' 8223' %1.' ?73)')27.5' /02' 92H15(/1.)' 1%' /02' (3;=5' H1(/(47' 524.2/5' (5' 13;' 739' 7%%24/(137/2' (3/(?74)' @(/0' /02' (3;' 079' 2378 29' 0(?' /1' 74I:(.2' 7' /01.1:;0' (35(;0/' (3/1' /02' H.(Q7/2' @27>325525' H.2G:9(425' 739' H.29(24/(135' 1%' 0(5' .1)7' ?75/2.' 739' /0(5' (?H1./73/' >31@ 29;2' 02' @75' 31@' 2378 29' /1' 473)' @(/0' 0(?' /1' /02' 47?H' 1%' 0(5' 32@' 7 (25' 9.21Q2.' 5(342' 0(5' 32@' .2 7/(1350(H5' @(/0' 1M' /02' %1.?2.' 1.)' 407?H(13' 1%' -.2.1;7/(Q2' 079' 82;:3' /1' 79Q147/2' H.(34(H 25' @0(40' 41:9' 547.42)' %7(' /1' 82' Q2.)' 1%%235(Q2' /1' /02' (3;' 2' 31/' 13)' 791H/29' 1M=5' @01 251?2' 7M(1?' /07/' 31' 51Q2.2(;3' 1%' /0(5' 41:3/.)' 1:;0/' /1' 82' 0(5' 1@3' (3(5/2.' 8:/' 02' Q1 :3/22.29' /02' 7 ?15/' .2H:8(473' 914/.(32' /07/' /02' N' 7HH27.7342' 1%' H1@2.0' @75' 7 ' /07/' 1:;0/' /1' 82' 41342929' /1' 7' (3;' 1%' 3;739 BTK' ' 29' /1' 82/.7) /1' 0(5' D 0(;' %.(2395' 73' :3;:7.929' 2MH.255(13' @0(40' 079' 2547H29' /02' (3;=5' (H5' (3' /02' 41:.52' 1%' 132' 1%' /02(.' .2423/' 413%2.23425' 02' (3;' 07Q(3;' 5H1>23' 1%' 1M=5' H7./)' 75' 7' [ )' 1.9' 1./0' .2H27/29' /02' 1%%235(Q2' /2.?' /1' 1MX /0:5' (3' 7 ' H.1878(/)' 51@(3;' /02' 52295' 1%' %.250' 73(?15(/)' 82/@223' /02' (3;' 739' 0(5' 91?(322.(3;' 5((8G24/ \X 1.21Q2.' /02' H2.5137' (3;.7/(/:92' 9(5H 7)29' 8)' 1.9' 1./0' 922H)' @1:3929' 739' 9(5/.25529' /02' (3;' %' 132' @01' 079' 52.Q29' 0(?' 51' 13;' 739' @01?' 02' 079' .2@7.929' 51' (82.7)' 41:9' H.1Q2' %7(/0 255' @07/' 1/02.' 5/7/25?73' @75' /02.2' (3' @01?' /02' (3;=41:9' H 742' 413%(92342' 2' 079

F' 7.' :552 =5' 2?1.(7 5' 1%' 1M' Q1(' ((' H' S!' .734(5' %(.5/' 7.' 1%' :(%1.9<' /02' %7/02.' 1%' 1.9' 1./0' 8)' :4)' 97:;0/2.' 1%' 21.;2' 13/7;:' 7.' 1%' 7(%7M<9(29' S' :;:5/' !$,*' (3' 0(5' 2(;0/)R52Q23/0')27.

B /' 7.' :552 =5' 2?1.(7 5' 1%' 1M' Q1(' ((' H' L"'

%' D7 H1 2=5' 75/' 1:.37 5' Q1(' ((' H' #,$

1Q29‘ 739‘ /.:5/29‘ 1.9‘ 1./0‘ 75‘ 02‘ 079‘ 1Q29‘ 739‘ /.:5/29‘ 31‘ 1/02.‘ (3(5/2.‘ 5(342‘ 0(5‘ 744255(13‘ 31/‘ 2Q23‘ 2M42H/(3;‘ 1.9‘ :/2‘ 2‘ 079‘ 92 (;0/29‘ (3‘ 179(3;‘ 0(?‘ @(/0‘ %7Q1:.5‘ 739‘ 0131:.5‘ 2‘ 079‘ 2 2Q7/29‘ 0(?‘ /1‘ /02‘ H.2?(2.50(HX‘ 079‘ 0131:.29‘ 0(?‘ @(/0‘ /02‘ 7./2.‘ 739‘ 079‘ 413%2..29‘ :H13‘ 0(?‘ /02‘ 0131:.78 2‘ 739‘ :4.7/(Q2‘ 7HH1(3/?23/‘ 1%‘ D7.923‘ 1%‘ /02‘ (3I:2‘ -1./5‘ 2‘ 079‘ .7(529‘ 0(5‘ 8.1/02.‘ /1‘ /02‘ .(40‘ (501H.(4‘ 1%‘ D(34025/2.‘ 739‘ 079‘ 825/1@29‘ 13‘ 79)‘ 1./0‘ /02‘ 73;2.50(H‘ 1%‘ :50)‘ -7.>‘ 2‘ 079‘ 31/‘ 13)‘ 7HH1(3/29‘ 0(5‘ %7/02.‘ 1.9‘ :(%1.9‘ .275:.2.‘ /1‘ /02‘ A:223‘ 8:/‘ ;.73/29‘ 0(?‘ /02‘ .2Q2.5(13‘ 13‘ /02‘ 927/0‘ 1%‘ 23.)‘ :>2‘ 1%‘ 2@475/ 2‘ 1%‘ 7‘ H15/‘ 1%‘ ;(F27/‘ H.1%(/‘ (3‘ /02‘ :5/1?5‘ @(/0‘ %7./02.‘ .2Q2.5(135‘ /1‘ /@1‘ 1%‘ 1.9‘ 1./0=5‘ 1@3‘ 5135‘ .734(5‘ 739‘ .292.(4>‘ 7%/2.@7.95‘ 5:44255(Q2)‘ 7.5‘ 1%‘ :(%1.9 F‘ 1‘ 1.9‘ 1./0‘ 0(?52 %‘ @023‘ 781:.(3;‘ :392.‘ H24:3(7.)‘ 9(%%(4:/(25‘ 02‘ 079‘ 1H2329‘ 0(5‘ H:.52‘ 739‘ 13‘ 0(5‘ .2/(.(3;‘ %(B1?‘ 1%%(42‘ /02‘ (3;‘ 079‘ ;.73/29‘ 0(?‘ 7‘ H235(13‘ 1%‘ %1:.‘ /01:5739‘ H1:395

‘ :.(3;‘ /0.22‘ 52Q2.7‘ (3/2.Q(2@5‘ @0(40‘ /11>‘ H 742‘ 7/‘ /0(5‘ H2.(19‘ 82/@223‘ 21.;2‘ /02‘ 0(.9‘ 739‘ 0(5‘ %1.?2.‘ (3(5/2. P‘ /02‘ (3;‘ 27.325/)‘ 23/.27/29‘ 1.9‘ 1./0‘ /1‘ 8.27>‘ 1%%‘ 0(5‘ 41332M(13‘ @(/0‘ 1M‘ 739‘ .25:?2‘ /02‘ H.2?(2.50(H‘ @0(2‘ /02‘ 7//2.‘ 31‘ 255‘ :.;23/)‘ H.25529‘ 0(5‘ 1Q2.2(;3‘ /1‘ 5239‘ %1.‘ /02‘ :>2‘ 1%‘ -1./739‘ 02‘ (3;‘ 01@2Q2.‘ 75‘ 02‘ /1 9‘ 1.9

F‘ 02‘ H15/‘ (3‘ I:25/(13‘ @75‘ /07/‘ 1%‘ N‘ 1?H/.1 2.‘ 3@7.95‘ 739‘ :/@7.95‘0‘ 3‘ /02‘ /(?2‘ 1%‘ 23.)‘ :>2‘ 1%‘ 2@475/ 2‘ @01‘ 02 9‘ /02‘ 7HH1(3/?23/‘ 8)‘ H7/23/‘ 97/29‘ 73:7.)‘ +S‘ !$S"‘ /02‘ 32/‘ H.19:42‘ 1%‘ 0(5‘ .242(H/5‘ 7%/2.‘ 929:4/(13‘ 1%‘ 7‘ 2MH23525‘ /7>(3;‘ 132‘)27.‘ @75‘ `!L*+‘ !L5‘ # X /02‘ 7?1:3/‘ 1%‘ 0(5‘ 57 7.)‘ 82(3;‘ 13 )‘ `L$V‘ 739‘ 0(5%225‘ `!LS"‘ !L5‘ # 02‘ H.74/(42‘ (3‘ /02‘ 75/‘ 423/:.)‘ 1%‘ 413%2..(3;‘ :4.7/(Q2‘ H15/5‘ (3‘ /02‘ :5/1?5‘ 13‘ ?23‘ 1%‘ .73>‘ 7HH27.5‘ /1‘ 07Q2‘ 8223‘ 47..(29‘ /1‘ 7‘ 9(5;.742%:‘ 2M/23/‘ 0:5‘ (3‘ !$"S‘ /02‘ :>2‘ 1%‘ 734025/2.‘ 02 9‘ /02‘ 7HH1(3/?23/‘ 1%‘ N‘ 1 24/1.‘ :/J @7.95‘0‘ (.‘ 73>5‘ 23>(3513‘ /07/‘ 1%‘ N 1 24/1.‘ 3@7.95‘ 1.9‘ -2 07?‘ @75‘ :.J Q2)1.‘ 232.7‘ 7:9‘ 1.9‘ /1@2‘ :.Q2)1.‘ :/(25‘ :391:8/29)‘ /02)‘@1.2‘ 47 29‘ :H13‘ /1‘ H2.%1.?‘ 8:/‘ /02)‘ 7HH27.‘ /1‘ 07Q2‘ ;232.7)‘ ?737;29‘ /1‘ H2.%1.?‘ /02?‘ 8)‘ 92H:/)‘ 3‘ !$,V‘ @023‘ .734(5‘ 7.‘ 1%‘ :(%1.9‘02 9‘ /02‘ 7HH1(3/?23/‘ 1%‘ 1?HJ /.1 2.‘ 0(5‘ 57 7.)‘@75‘ `+VV‘ 7R)27.‘ @(/0‘ `!**‘ 7R)27.‘ %1.‘ 7‘ 92H:/)‘ 739‘ `+*‘ 7R)27.‘ %1.‘ 7‘ 4 2.>X 0(5‘ .2?7(3(3;‘ 2?1:?23/5‘ 82(3;‘ ?792‘ :H‘ 8)‘ %225‘ @0(40‘ 31‘ 91:8/‘ @2.2‘ Q2.)‘ 4135(92.78 2‘ E 4‘)‘ 4 #

]‘ 3/02‘%(.5/‘ /0(.9‘ 739‘%1:./0 1%‘ 7.40

1./0' @75' .251 Q29' 31/' N'/1' H:/' /02' .275:.)' (3/1' /02' 07395' 1%' /02' 0279' 1%' 7' %74/(13 0' 739' 7441.9(3;)' /02' 32;1J /(7/(13' @75' 8.1>23' 1%% F

%' /02' 5/2H5' @0(40' 9:.(3;' /02' 32M/' %1./3(;0/' /02' (3;' /11>' /1' %1.?' 7' 1Q2.3?23/' 31' Q2.)' (3/2.25/(3;' H7./(4: 7.5' 07Q2' 8223'.241.929' D 2' >31@' 01@2Q2.' /07/' 13' /02' V/0' 1%' 7.40' 02' @75' 4 152/29' @(/0' /02' 1.9' 07342 1.' 739' 1.9' 1@2.'X /07/' 13' /02' !+/0' 739' 13' /02' !#/0' 02' 7;7(3' 57@' 1(R9' 1./0'X 739' 75/)' 13' /02' !,'/0' @2' %(39' 0(?' .29:429' /1' /02' 8(//2.' 739' 0:?((7/(3;' 324255(/)' 1%' 5239(3;' %1.' /02' :>2' 1%' -1./ 739' 739' 7:/01.(6?;' 0(?' /1' /7>2' 5/2H5' %1.' %1.?(3;' 73' 9?(3(5/.7/(13'%' 02' (3;' (3' 1.92.' /1' 7Q1(9' @07/' 02' 4135(92.29' /02' 9(5;.742' 1%' 73' :34139/(/(137' 5:..2392.' @1:9' @((3;)' 07Q2' .2/7(329' 1.9' 0:. 1@' 13' /02' D 11 574>' 8:/' /1' /0(5'4134255(13' 1M' 185/(37/2)' .2%:529' /1' 7;.22' N' ' 01H2 0' @75' /02' 417.52' 2MH.255(13' 1%' /02' -.(342' 1%' D 7 25R' 7/' 7' H7./)' 7/' /02' :40255' 1%' :?82.J 739=5' N'/07/' 9RRRRRR 9' %2 1@' /02' 07342 1.' @(' 82' /:.329 1:/ 0' 02.2' @(' 82' 31' H2742' .2/1./29' /02' 07342 1.' 0/(' /02' -.(342' 739' 1M' 7.2' 524:.29' (3' /02' 1@2.XZX' 02' (3;' 41:9' 31@' H.2//)' 4 27.)' H2.42(Q2' /02' 5/7/2' 1%' 8139J 7;2' (3' @0(40' (/' @75' (3/23929' /07/' 02' 501:9' 82' >2H/' 1.' (35/7342' @023' 02' 51 (4(/29' /02' :>2' 1%' -1./ 739' /1' 501@' 0(?' 7' (5/' 1%' /02' H.1H1529' 32@' N'7..73;2?23/5' 0<' /07/' N'H.1% (;7/2' (5/ 0' 75' D((7?' .23Q(2' 5/) 25' (/<31/' 13)' 9(9' /02' :>2' 924 (32' /1' 7HH.(62' 0(?' 1%' 73)' 1/02.' 37?25' 8:/' /0152' 1%' /02' ?2?82.5' 1%' /02' 78(32/' 8:/' 75' /02' (3;' /1 9' 232.7' 13@7)' 7' ?192.7/2' .2I:25/' /1' 82' (3%1.?29' 1%' /02' 37?2' 1%' /02' (3/23929' 32@' 1.9' (2:/2373/' 1%' .2 739' @75' H.2%2..29' (3' Q7(3 e' 02' (3;' 2Q23' 41?R

F' :4>(3;07?' -7H2.5' Q1 ' (' HH' !$+' !$L'X D 7 H1 2=5' 75/' 1:.37 5' Q1 ' (' H' V,$

/' D 7 H1 2=5' 75/' 1:.37 5' Q1 '((' H' #*+' ' : # :4>(3;07?' -7H2.5' Q1 ' (' H' "!' ' : #

' D 7 H1 2=5' 75/' 1:.37 5' Q1 '((' HH' V,,' #**' #

e' '5 #' Q1 '((' H' #*,

H 7(329 1% 82(3; /.27/29 @(/0 H2.5137 (34(Q((/) / 7 2Q23/5 @07/2Q2. ?(;0/ 82 /02 41352I:23425 02 .251 Q29 13 8.27>(3; 1%% /02 32;1/(7/(13 F 02 (39(;37/(13 1% 1M 739 1% 0(5 573;:(32 H7./(5735 @75 37/:.7) 2M425J 5(Q2 02 (3; 57(9 /02 -.(342 1% KD7 25 1:/R 1:9 7/ @)- +L 0(5 ?1/02.=5 .7@(3; 11? 079 .2%:529 /1 7442H/ /02 17 (/(13 8:/ 8) < T 02 501:9 82 ?792 /1 7;.22 /1 (/ < N I C ")@ @.(/25 D7 H1 2 /1 (. 1.742 733 13 /02 !"/0 N 075 (3>29 0(?52 % @(/0 07. 25 1M O (X

/ @75 7/ /0(5 /(?2 /07/ 21.;2 /02 ((.9 /11> (3/1 0(5 413%(92342 7)1:3; 5401 7. (3 0(5 /@23/)R%1:./0)27. /02 524139 513 1% /07/ 1342 1831M(1:5 (3(5/2. 1% @01? /02 (3; 079 %1(R?2.) 57(9 /07/ 02 @1:9 .7/02. 522 /02 Q(32 @7 > (3/1 0(5 4 152/ /073 21.;2 .23Q(2 0(5 H2.513 @75 D((7? .23Q(2 7%/2.@7.95 -.(?2 (3(5/2. 739 82//2. >31@3 75 1.9 .23Q(2 (5 %(.5/ (3/2.Q(2@ @(/0 0(5 1Q2.2(;3 /11> H 742 7/ :4>(3;07? 1:52 13 /02 !#/0 1% 7.40 13 @0(40 14475(13 /02 (3; 8(//2.) 41?H 7(329 /1 0(5 32@ 7) 1% /02 9(5/.74/29 5/7/2 1% /02 U >(3;91? 7 /02 ?(5%1./:325 1% @0(40 02 7//.(8:/29 /1 /02 7H15/75) 1% 1.9 1./0 -1 (/(47 H7./) 02 57(9 31 13;2. 4135(5/29 75 (3 %1.?2. /(?25 1% /@1 0131:.78 2 524/(135 D 0(;5 739 1.(25 8:/ @75 5H (/ (3/1 %74/(135 /02 41?H1323/ ?2?82.5 1% @0(40 079 31 0(;02. 18624/ (3 Q(2@ /073 /0W 7//7(3?23/ 1% H1@2. 739 H 742 01@2Q2. 9(575/.1:5 ?(;0/ 82 /02 41352I:23425 /1 /02(. 41:3/.) e 1M 02 N 17929 @(/0

F :4>(3;07? -7H2.5 Q1 (HH +*+ < +*# +**X D7 H1 2=5 75/ 1:.37 5 Q1 ((H #*V

/ D7 H1 2=5 75/ 1:.37 5 Q1 ((H V, ,

(D7 H1 2=5 2//2.5 Q1 Q(((H LS$ 9 !"V"

e (501H D7/513 2MH.25525 /02 57?2 Q(2@5 (3 5H27>(3; 1% /02 17 (/(13 N / 2%/ /02 41:3/.) O 02 @.(/25 N @(/01:/ 01H2 1% 5113 522(3; 731/02. .25H24/78 2 HH15(/(13 13 135/(/:/(137 ;.1:395 739 (/ 5/7?H29 13 /02 027./5 1% ?((135R73 (?H.255(13 @0(40 @(32Q2. 82 2%%7429 /07/ -7/.(1/(5? (5 7 547397 1:5 ;7?2 H 7)29 8) H:8 (4 ?23 %1. H.(Q7/2 2395 739 %.2I:23/) (// 2 82//2./073 7 52 %(50 5/.:;; 2 %1. H1@2. O 6 7/21:=5 &) 0 Q1 (H !$+

2Q2.)' 2MH.255(13' 1%' 7801..2342 0' %' 1.9' 1./0 < N/07/' ;.7/2%:' 1.9' 1./0†0' 75' 02' 47 29' 0(? < 02' 5H1>2' (3' 5/.13;' /2.?5' 1%' .2523/?23/' 739' 9(5;:5/' 2(/02.' @75' 02' ?:40' ?1.2' 5H7.(3;' 1%' 0(5' (3Q24/(Q25' (3' 5H27>(3;' 1%' /02' :>2' 1%' -1./ 739' /' @75' 0(5' 413Q(4/(13' 57(9' /02' (3;' /07/' 1M' 739' 1.9' 1./0' 079' %1:39' ?:40' 9(%%(4:/)' (3' 7;(R22(3;' 82/@223' /02?52 Q25 F' 739' (/' @75' 1@(3;' /1' /0(5' 9(%%(4:/)' /07/' /02' 41:3/.)' 079' 8223' 2%/' 51' 13;' @(/01:/' 7' 1Q2.3?23/' 2/' 79929' /02' (3;' (/' @75' :H13' 0(?' /07/' /02)' @2.2' 31@' 7//2?H/(3;' /1' /0.:5/' /02' 19(:?' 1%' /02' ?(540(2Q1:5' 92 7)' (5' H2.5137' 7Q2.5(13' /1' 81/0' 1%' /02?' 02' .2H27/29' @75' ;.27/' 8:/' @2.2' 02' 41?H2 29' /1' 401152' 132' 1.' /02' 1/02.' 1%' /02?' %1.' 0(5' (3(5/2.' 02' 501:9' H.2%2.' 1.9' 1./0'%

7.' □ ' D 023' .' .23Q(2'7' %2@' 97)5' 7%/2.@7.95' @75' 79?(//29' /1' 7' 524139' (3/2.Q(2@' (3' /02' .1)7' 4 152/' 02' %1:39' /02' (3;=5' ?7332.' ?:40' 255' 7;(/7/29' 739' 0(5' 73;:7;2' ?:40' ?1.2' /2?H2.7/2' /' 51?2' 23;/0' 02' 2MH7/(7/29' 13' /02' 407.74J /2.5' 1%' 1M' 739' 1.9' 1./0' N' @01?0' 57)5' .' .23Q(2' U' N ' /0(3>' 02' 9254.(829' Q2.)' G:5/)' /01:;0' 42./7(3)' 31/' (3' /02' ?15/' % 7//2.(3;' 41 1:.5 0' 1.9' 1./0G' 02' 57(9' @75' 7' ?73' N' 41?H1529' 23/(.2)' 1%' 32;7/(Q2' I:7 (/(25X0' 132' @01' %1.' /02' 57>2' 1%' 524:.(3;' H.2523/' 2752' @1:9' .(5>' 73)' 9(%%(J 4:/)' @0(40' ?(;0/' /0.27/23' /02' %:/:.2' % 1M' 51' %7.' 75' 0(5' ;.27/' 78((/(25' @2.2' 41342.329' /02' (3;' 5H1>2' (3' Q2.)' % 7//2.(3;' /2.?5' 2/' @0(2' 02' %.22)' 7@7.929' 0(?' /02' ?2.(/' 1%' ;23(:5' 1%' 2 1I:2342' 739' I:(4>3255' 1%' H7./5' 02' (35(5/29' /07/' /0152' I:7 (/(25' @2.2' 32:/(=7 (629' 8)' 0(5' @73/' 1%' 7HH (47/(13' 8)' 0(5' 5473/)' >31@ 29;2' 1%' H:8 (4' 8:5(3255' 739' ?1.2' 25H24(7)' 8)' 0(5' ://2.' @73/' 1%' 9(54.2/(13' 739' G:9;?23/T

3' /02' ?273' /(?2' /02' (3;=5' 027 /0' 75' :5:7)' 07HH2329

U' 0(5' @1' 31@' >31@' /1' 07Q2' 8223' /02' 4752' 22' - d' 0 ' ? ' Q1 ' ((' HH' #*S<V

' %' :4>(3;07?' -7H2.5' Q1 ' (' HH' !", <!,+' \' I # ' Q1 ' (' HH' +!+<P!L

/1' /(?' (3' 5275135' 1%' ;.27/' H1 (/(47' 2M4(/2?23/' / :=27/2329'
/1' ;(Q2' @7)' :392.' / (2' ;(B27/' 9(5/.255' 739' 0:?((7/(13' /1'
@0(40' 02' @75' 5:8G24/29' .' .23Q(2' %1.' (35/7342P' (3' 0(5'
7441:3/' 1%' /02(.' %(.5/' (3/2.Q(2@' 9254.(825' 0(?' 75' 07Q(3;' 8223'
N' 0(;0)' 2M4(/29 0' 739' 75' 5H27>(3;' @(/0' 5:40' N (341342(Q78 2'
I:(4>3255O' /07/' (/' @75' @(/0' 9(%%(4:/)' 02' 41:9' 41??739'
/02' (3;=5' 27.' 2Q23' %1.' 7' %2@' ?1?23/5 F' 02' H.15H24/' 1%'
82(3;' 235 7Q29' 8)' 1M' /02' (3;.7/(/:92' 1%' 1.9' 1./0' 739'
/02' 52Q2.7342' 1%' /02' ?2.(473' 1 13(25' %.1?' /02' ?1/02.R'
41:3/.)' 2Q(923/)' 132' 739' 7 ' H.2)29' Q2.)' 027Q( )' 13' 0(5'
?(39' D 0(2' (3' 413Q2.57/(13' @(/0' .' .23Q(2' /02' (3;'
07HH23(3;' 475:7)' /1' 7 :92' /1' ?2.(473' 392H2392342' (/'
5/.:4>' /02')1:3;' 5/7/25?73' 75' 82(3;' 7' N ?15/' 8(//2.' H(' '
(39229' %1.' 0(?' /1' 5@7 1@ 0' 1.21Q2.' /02' 413/(3:29' ?(5J
4139:4/' 1%' /02' 02(.' /1' /02' /0.132' @01' 8)' /0(5' /(?2' 079'
1H23)' 739' 23/0:5(75/(47)' 924 7.29' 0(?52 %' 7' %.(239' /1' /02'
170/(13' @75' /02' 1:.42' 1%' 922H' 799(/(137' 9(5/.255' /1' /02'
(3;' 02' -.(342' 75' @2' 07Q2' 57(9' @75' 7' ?2?82.' 1%'
.11>5=5' :8' @02.2' 75' D 7 H1 2' /2 5' :5' /02' ?2?82.5'
@2.2' 31/' 13)' N 5/.73;2)' (423/(1:50' (3' /02(.' /7 >' 781:/'
/02(.' 51Q2.2(;3' 8:/' (3' /02(.' 627' %1.' /02' (3/2.25/5' 1%' /02'
027./ 255')1:3;' -.(342' 2Q23' @7;2.29' 13' /02' 9:.7/(13' 1%' /02'
(3;=5' .2(;3 %' 02' :>2' 1%' -1./ 739' @75' 7 51' 7' ?2?82.' 1%'
.11>5=5' @02.2' 2(/02.' 02' 1.' ?1.2' H.1878)' 0(5' %.(2395' @2.2'
(392 (47/2' 231:;0' /1' 7 1@' /02' (3;=5' 41..25H1392342' @(/0'
/02' :>2' /1' 82' 073929' 781:/' 7?13;' /02' %.(Q1 1:5' ?747.13(5'
739' (9 2.5' 1%' /02' H 742' 739' 5:8G24/29' /1' @07/' D 7 H1 2' 5/) 25'
/02(.' N' (..2Q2.23/' G25/5 0' (' 0252' 4(.4:?5/73425' @2.2' 91:8/J
255' @2 ' >31@3' /1' /02' (3;' 739' 7441.9(3;)' @023' 5:H2.R'
79929' /1' @(/0' 0(5' 1/02.' 47.25' 739' 9(5/.25525' .279()' 7441:3/'
%1.' 0(5' 9(5/.255(3;' 5/7/2' 1%' ?(39' 739' 819)' N' 02' (3;'
@75' (0' @.(/25' D 7 H1 2' 13' /02' L*/0' 1%' 7.40' N' 739' %2

U :4>(3;07?' -7H2.5' Q1' (' H' !",
]' D7H12=5' 75/' 1:.375' Q1' ((' H' V,,'
' :4>(3;07?' -7H2.5' Q1' (' H' +*#

S+# ' -' ' - ' s!$"#

7@7)' ? : 4 (' @(/0' Q2M7/(13 0'F' 2' 2Q23' .2H27/29' 0(5' /0.27/' 1%' .2/(.(3;' /1' 0(5' 731Q2.(73' 91?(3(135' 02' A:223' 02' /1 9' /02' 1.9' 9Q147/2' :3975' 079' 413523/29' /1' 0(5' /7>(3;' /0(5' 2M/.71.9(37.)' 5/2H %

3' /0(5' 0(5' ;.27/' 9(5/.255' /02' (3;=5' /01:;0/5' 1342' ?1.2' /:.329' /1' -(//' 13' @01?' 02' 7;7(3' 27;2.)' 739' .2H27/29)' H.25529' /02' H.2?(2.50(H' 02(.' 41..25H1392342' 41? ? 23425' 13' /02' +L.9' 1%' 7.40' 739' 427525' 13' /02' +V/0 <

' 8 ' ' < # > #

7 + ' ! " <) ' +L' !$"L' " V*' :

N' .' -(//' (5' 925(.29' /1' 41?2' 02.2' (3' 0(5' ?1.3(3;R9.255' P75' 5113' 75' 413Q23(23/' /1' 0(?

N ' 0

N' /' /@1' /0(5' ?1.3(3;0' @.(/25' :3975' 13' /02' +S/0' N' ' @75' 47 29' :H' B8)' 73' 2MH.255' %.1?' .' -(//' ' 07Q2' 5223' 0(?' /0(5' ?1.3(3;' 739' 7 /01:;0' ' 507 ' 31/' 82' 573;::(32' :H13' 73)/0(3;' /(' (/' (5' 74/:7)' %(M29' ' % 7//2.' ?)52 %' /07/' .' -(//' @(' >(55' 07395' 75' (.5/' 1.9' 1%' /02' .275:.)' 13' D2932597)' 32M/ 0'=' 02' (3;' @75' 2Q23' ?1.2' 573;::372' /073' :3975' 02' 57?2' 97) < 7/' V +' @ < 02' @.(/25' %.1?' D(3951.' /1' -(// < %/2.' /02' ?7332.' ' 07Q2' 8223' H2.5137)' /.27/29' 8)' 81/0' /02' :>2' 1%' -1./ 739' 739' 1.9' 1./0' ' ' % ' 8 ' ' ' # ' ' ' ' ' 0' ' =' /02.2%1.2' /.:5/' /07/' .' -(//' @(' 2M2./' 0(?52 %' /1J ?1..1@' /1' H 73' 0(5' ?192' 1%' %((3;' :H' /02' 1%%(425' /07/' @(' 82' Q7473/' 51' 75' /1' 82' 78 2' 13' D2932597)' ?1.3(3;' /1' 7442H/' /02' 5(/:7/(13' 0(5' 407.74/2.' 739' /7 23/5' %(/' 0(?' /7' 01 9' @023' ' 507 ' 82' (3' /1@3' 82%1.2' /@2 Q2' .279)' /1' .242(Q2' 0(? 0'e

F' D7H1 2=5' 75/' 1:.37 5' Q1 ' ((' H' #!!']' '5 #' H' V,#
' 7.' /730VH2\5' (%2' 1%' -(//' Q1 ' (' H' !!+'
é' '5 ' Q1 ' (' HH239(M' H' ((

:/‘ /02‘)1:3;‘ 5/7/25?73‘ 7%/2.‘ 07Q(3;‘ 7;7(3‘/7>23‘(3/1‘ %: ‘ 4135(92.7/(13‘/02‘ 9(%%(4: /(25‘ @0(40‘ 8252/‘ 0(5‘ H7/0‘ 7;7(3‘ 922?29‘(/‘ H.:923/‘/1‘ .2G24/‘ /02‘ 5H 239(9‘ 1%%2.‘ 51‘ % 7//2.(3;)‘ H.25529‘ :H13‘ 0(?‘ 8)‘ 0(5‘ 1Q2.2(;3‘ 3‘/02‘ +V/0‘ :3975‘ @.(/25‘/1‘ 0(5‘ 8.1/02.< N‘ /‘ (5‘ 31@‘ ?)‘ 1H(3(13‘/07/‘ .‘ -(//‘ @(‘ 31/‘ 7442H/‘ 1%‘/02‘ 1Q2.3?23/‘ 1@‘ 7‘ /0(5‘ 737.40)‘ (5‘/1‘ 239‘ 19‘ 13)‘ >31@5 0‘ 02‘%1 1@(3;‘07 %R.2H.1740%:‘ 31/2‘%.1?‘/02‘ (3;‘/1‘ -(//‘ 4134 :925‘/02(.‘ 8.(2%‘ 8:/‘ .2?7.>J 78 2‘ 41..25H1392342‘ <

‘ ‘ ‘ , ‘<

< + ‘ ‘+V‘ S^LV‘ 9

N‘ .‘ -(//‘ ‘

N‘ ‘ 7?‘ ?:40‘ 0:./‘/1‘%(39‘)1:‘ 7.2‘ 92/2.?(329‘/1‘ 924 (32±B 7/‘ 73‘ 01:.‘ @023‘/0152‘ @01‘ 07Q2‘ 73)‘ .2;7.9‘%1.‘/02‘ 135/(/:/(13‘ 75‘ 25/78 (5029‘ 8)‘ 7@‘ 1:;0/‘/1‘ 5/739‘%1./0‘ 7;7(35/‘/02‘?15/‘ 97.(3;‘ 739‘ :3H.(34(H 29‘ %74/(13‘/07/‘/02‘ 7337 5‘ 1%‘/0(5‘ >(3;91?‘ 2Q2.‘ H.19:429 F

‘ 0

3‘/02‘?273‘/(?2‘ 31/‘ 13)‘ 079‘/02‘ 41:3/.)‘ 8223‘%1.‘%(Q2‘ @22>5‘ @(/01:/‘ 7‘ 1Q2.3?23/‘ 8:/‘/02‘ 5/7/2‘ 1%‘ H:8 (4‘ 7%%7(.5‘ @75‘ (3‘/02‘ 0(;025/‘ 92;.22‘ 4.(/(47‘ 02‘ :/(3)‘ (‘ 079‘ 31/‘ 8223‘ H75529‘ 02‘ /.27/)‘ 1%‘ -2742‘ 079‘ 31/‘ 8223‘ 5(;329‘ 739‘ 41352I:23/)‘ .7342‘ 2Q2.‘ .279)‘/1‘/7>2‘ 79Q73/7;2‘ 1%‘ /02‘ (3/2.37‘ 9(55235(135‘ 1%‘ .27/‘ .(/7(3‘?(;0/‘ 7/‘ 73)‘ ?1?23/‘ %22‘ G:5/(%(29‘ (3‘ .241??234(3;‘ 015/((/(25‘ 02‘ ((/(7‘ 13‘ 82(3;‘ 9(5873929‘ 079‘ 31/‘ 13)‘ ?:/(31:5)‘ (3J 5(5/29‘ :H13‘ .2/7(3(3;‘/02(.‘ 4 1/025‘ 8:/‘ 51‘ 02 H 255‘ 079‘ 8223‘/02‘ D 7.‘ 2H7./?23/‘ 75‘/1‘ 82‘ 41?H2 29‘/1‘ 744292‘ /1‘/02(.‘ 92?739‘ 75/)‘/02‘ 57(1.5‘ 7/‘ -1./5?1:/0‘ .2%:529‘ /1‘ 57(‘/1‘/02‘ D 25/‘ 39(25‘/(‘ H7(9‘/02(.‘ 7..27.5‘ 1%‘ @7;25‘ 7I9‘/02‘ .275:.)‘ @75‘ @(/01:/‘/02‘ ?2735‘ 1%‘ 57/(5%)(3;

/02(.' 4 7(?5' N 02' 1Q2.3?23/ O @.(/25' D((7?' .23J
Q(2' /1' 1.9' 2?H 2' N(5' 8.1>2' :H' G:5/' @023' 7' 1Q2.3J
?23/' @75' ?15/' @73/29' :.' (3/2.37' .2;: 7/(135< 1:.'
173' 8:.' 41??2.4WG' 1:.' 7.?) < 2Q2.)/0(3;' (5' 7/' 7' 5/739'
@0(2' /02' 4739(97/25' %1.' 1%%(42' 7.2' 7..73;(3;' /02(.' H.2/23J
5(135' 3' /02' ?273' /(?2' @2' 07Q2' 31' ?132)' 739' 1:.'
/.11H5' 739' 527?23' 7.2' (3' ?:/(3) O F' 441.9(3;' /1' /02'
(3;' /0(5' 7?23/78 2' 5/7/2' 1%' /0(3;5' @75' 7//.(8:/78 2' /1'
N' /02' ?15/' :3H.(34(H 29' 17 (/(13' /02' 7337 5' 1%' /0(5' 1.' 73)'
1/02.' 41:3/.)' 473' 2I:7'X O %' @0(2' 1M' 13' /02' 1/02.' 0739'
7(9' 7' /02' 8 7?2' 13' 0(5' 1Q2.2(;3' /' @75' N' /02' ?15/'
(351 23/' 91?(37/(13 O' 02' 57(9' (3' /02' 1:52' 1%' 1??135'
N /07/' 2Q2.' 9(5;.7429' H' %.22' 41((3/.)QO' 1:8/ 255' 079'
/02' 17 (/(13' 8223' 75' H1H:7.' @(/0' /02' 41:3/.)' 75' (/' @75'
H1@2.%:' (3' -7. (7?23/' /02' (3;' ?:5/' 13;' 5(342' 07Q2'
8223' 41?H2 29' /1' 5:..2392.' 7/' 9(54.2/(13' 02' H:8 (4'
01@2Q2.' /11>' H7./' @(/0' /02(.' 1Qi.2(;3X 99.25525' /1' /02'
1:52' 1%' 1??135'(3'%7Q1:.' 1%' /02' .27/)' 1%' -2742'H1:.29'
(3' %.1?' 7' I:7./2.5' 232.7)' 5H27>(3;' /02' 4139:4/' 1%'
1M' 739' 0(5' %.(2395' @75' 7//.(8:/29' /1' %74/(1:5' G27 1:5(25' 739'
52 %(50' 7?8(/(13' 1.' (35/h342' 1' 627 1:5' 7' D 0(;' 75' (501H'
D 7/513' 79?(/5' /07/' /02' 4139:4/' 1%' 0(5' %1.?2.' %.(2395' @75'
7 (>2' H.2;373/' @(/0' (??(323/' 973;2.' /1' /02' 135/(/:/(13'
739' 079' 925/.1)29' 7' 0(5' 413%(92342' (3' H:8 (4' ?23' N'
4 27.)' 57@ O' 02' @.(/25' N' /07/' /02)' 574.(%(429' /02(.' H:8 (4'
H.(34(H 25' /1' H.(Q7/2' H(I:2' 739' /02(.' 0131:.' /1' /02(.' 7?J
8(/(13 O' Q23' 1M=5' ?15/' (3/(?7/2' %.(239' (/6H7/.(4>'
74>31@ 29;25' /07/' /02' 17 (/(13' @75' N' :3(Q2.57)' 4.(29' 1:/'
7;7(35/ O< N' 3 255 O' 02' @.(/25' /1' 1.9' 551.)' N' 7' '
#' I '(5' /02' 41352I:2342' 1%' /0(5' G:34/:.2' 31/0(3;'
473' G:5/(%)' (/' /1' /02' H:8 (4 O' e' 1M' 0(?52 %' (39229' 74>31@J
29;29' /1' 0(5' %.(2395' /07/' 02' 079' /7>23' 7' 5/2H' @0(40' :3 255

F' :4>(3;(7?'-7H2.5' Q1 '(' H' !$*
]' yD9 ' H' +!,
d' (501H' D 7/513=5' 32491/25' 1%' O(5' (%2' Q1 '(' H' !$!
e' 7.' :552 =5' 2?1.(7 5' 1%' 1M' Q1 '((' HH' !"' !,

: /(?7/2)' 4.1@329' E@(/0 5:44255' ?:5/' 82' NH.131:3429' (392%235(8 2 0' F

3' /02' !5/' 1%' H.(' /02' (3;' 82%1.2' %1337)' 92 (Q2.(3;' 0(?52 %' :H' /1' /02' /2392.' ?2.4(25' 1%' 1 P' 739' /02' :>2' 1%' -1./ 739' ?792' 7' %(37' 7//2?H/' /1' (39:42' 1.9' 1./0' /1' 7442H/' /02' H.2?(2.50(H' 1.9' 1./0' 01@2Q2.' 413/(3:29' 189:.7/2' N' 07Q2' /1 9')1:.' 7G25/) 0' 02' .2H (29' N' /07/' 47331/ 0< N' 023 0' 57(9' /02' (3;' N')1:' ?7)' /2 ' /02' :>2' 1%' -1./ 739' 02' ?7)' >(55' ?)' 0739' /1R?1..1@ 0' %' (// 2' 91:8/' 473' 2M(5/' 75P' /1' /02' 413/(3:29' (3/235(/)' 1%' /02' (3;=5' 9(5/.255' 1' 1.9' 2?H 2' 02' @.(/25' /02' 57?2' 97) <' N' /.:5/' /02' 2)25' 1%' /02' 37/(13' @(' 5113' 82' 1H2329' 1.' ?)' 51..1@' ?7)' H.1Q2' %7/7' /1' ?)' 027 /0' (%' .2?7(3' 13;' (3' /0(5' /0.7 91?' ' /.:5/')1:' @(' 82' 5/279)' (3')1:.' 7//740?23/' /1' ?2' 739' .279)' /1' G1(3' 1/02.' 01325/' ?23' (3' @7/40(3;' /02' 4139:4/' 1%' /0(5' :337/:.7' 41?8(37/(13X 739' ' 01H2' ?73)' ?13/05' @(' 31/' 2 7H52' 82%1.2' /02' .23Q(25' /02' -(//5' 739' 1/02.' ?23' 1%' 78((/(25' 739' 407.74/2.' @(' .2 (2Q2' ?2' %(R1?' 7' 5(/:7/(13' /07/' 31/0(3;' 41:9' 07Q2' 41?H2 29' ?2' /1' 5:8?(/' /1' 8:/' /02' 5:HH15/(13' /07/' 31' 1/02.' ?2735' .2?7(329' 1%' H.2Q23/(3;' /02' H:8 (4' %(373425' %.1?' 82?;' ?7/2.(7)' 7%%24/29 0' GX F

(// 2' /(?2' @75' 7 1@29' /1' 2 7H52' 82%1.2' /02' 37?25' 1%' /02' ?2?82.5' 1%' /02' 32@' 78(32/' @2.2' 7331:3429' /1' /02' H:8 (4' 02' :>2' 1%' -1./ 739' @75' ;762//29' 75' (.5/' 1.9' 1%' /02' .275:.)X' 1.9' 1./0' 739' 1M' 75' 24.2/7.(25' 1%' /7/2X 1.9' 103' 7Q239(50' 07342 1.' 1%' /02' M402I:2.X 1.9' /1.?13/' -.25(923/' 1%' /02' 1:34(X 739' 1.9' 2HH2' (.5/' 1.9' 1%' /02' 9?(.7/)' 02' .27/' 27' @75' H:/' (3/1' 1??(55(13' :.>2' 31/@(/05/739(3;' 0(5' 5H 239(9' 78((/(25' 739' /02' ;(R27/' 52.Q(425' @0(40' 02' 079' .2392.29' 0(5' H7./)' @75' 7;7(3' 2M4:929' %.1?' /02' 78(32/' 82(3;

F' 7.' :552 =5' 2?1.(7 5' 1%' 1M' Q1 ' ((' H' #+'
]' D7 H1 2=5' 75/' 1:.37 5' Q1 ' ((' H' #!+'
/' :4>(3;07?' -7H2.5' Q1 ' (' H' R+!,

18 (;29 /1 413/23/ 8(?52 %@(/0 0(5 %1.?2. :4.7/(Q2 H15/ 1%
-7)?75/2. 1% /02 1.425 02.(973 @75 0131:.29 @(/0 31
0(;02. 7 H15/ /073 24.2/7.) 1% /02 .275:.) -(// @75
5/.13;):.;29 /1 G1(3 /02 32@ 9?(3(5/.7/(13 8:/ :3025(J
/7/(3;).2%:529 B F

-.15H2.1:5 /(?25 079 31@ 7..(Q29 %1. /02 ?2?82.5 1%
.11>5=5 739 /02 ?23 1% H 275:.2 % 1M=5 (3/(?7/2
%.(2395 /02 7. 1% 1./0(3;/13 @75 7HH1(3/29 1.9 (2:J
/2373/ 1% .2 739 739 (407.9 (/6H7/.(4> 24.2/7.) 7/
D7. % 1M=5 1 9 54011 %2 1@5 7/ /13 /02 7. 1%
7.(5 2 @75 ?792 -.(Q) 27 X D((7? D(3907? @75
7HH1(3/29 24.2/7.) %1. .2 739X 3/013) 1..(5 /1.2.
@75 (3 9:2 /(?2 31?(37/29 (0(5/2. -23(H1/23/(7.) 7/
-7.(5 9:.(3; /02 7852342 1% /02 :>2 1% 734025/2. X @0(2
%1. 731/02. /13 54011 %2 1@ 7. (/6@((7? 1M 75
@(H.2523/) 82 5223 079 (3 413/2?H 7/(13 7 5/(?1.2
(?H1./73/ 1%%(42 / @75 /1 /02 4.29(/ 1% 132 7/ 275/ 1%
/0252 ?23 1% %750(13 /07/ 02 31/ 13) 79?(//29 0(5 1@3
=:3@1./0(3255 8:/ 2MH15/:7/29 @(/0 1M 13 /02 (32MH2J
9(234) 1% 0(5 7HH1(3/?23/5 N 7? 5:.2 0 @.(/25 1.9
1./0(3;/13 /1 1M %.1? .2 739 7 %2@ ?13/05 7%/2.@7.95
N ?23 1% 78((/(25 >31@ 29;2 1% 8:5(3255 739 2MH2.(2342
1:;0/ /1 82 2?H 1)29 02.2 81/0 (3 /02 47H74(/) 1% 1.9
(2:/2373/ 739 24.2/7.) X 31/ ;23/2?23 /7>23 @(9 %.1?
.11>5=5 /1 ?7>2 /02(. # " (3 H:8(4 (%2 %22
Q2.) %1.4(8) /02 /.:/0 1% /0(5 1852.Q7/(13 (3 ?) 1@3 (3J
5/7342 739 @(50 027./( ) (/ @75 82//2. 5:HH (29 0 %

D023 13 /02 +39 1% H.(/02 32@ (3(5/2.5 >(5529
07395 /02 (3; (5 57(9 /1 07Q2 079 51?2 9(%%(4:/) (3 413J
427 (3; 0(5 Q2M7/(13 1.9 1@350239 @01 @75 H.2523/
0:?1.1:5) 1852.Q29 /07/ 13 1M >(55(3; 07395 02 18R

U 7. /7301H2=5 (%2 1% -(// Q1 (H !!S 1 1.9 551.) 1M @.(/25 13 /02
,/0 1% 2H/2?82. X<N % -(// 41:9 82 H4(85:3929<8:/ 925H7(. 1% (/< 7? 413J
Q(3429 (% 02 41:9 02 @1:9 91 ?1.2 .27 52.Q(42 /1 /02 41:3/.) /073 73) ?73 2Q2.
9(9 0 % & " Q1 ((H +*"
] 7. :552 =5 2?1.(7 5 1% 1M Q1 ((H !"+

' HH " ' ' ' '

52.Q29' 0(5' 7G25/)' N' / : .3' 874>' 0(5' 27.5' 739' 2)25 ' G : 5/' (>2'
/02' 01.52' 7/' 5/ 2)=5' @023' /02' /7(1. ' 02' 079' 92/2. ? (329'
/1' /0.1@ ' @75' ; 2//(3 ;' 13' 0(? O F' 2Q2. /02 255' /02' (3 ;'
8207Q29' 81/0' /1@7.95' 1M' 739' /02' : >2' 1% - 1. / 739' (3' 7'
; .74(1 : 5' ? 7332. ' 1.9' 1. /0 ' 13' /02' 413/. 7.) ' 02' . 242(Q29'
@(/0' 7' ? 7. >29' 41 93255' @0(40' 9231/29' 2Q23' 7Q2.5(13 '%'
1' /02' 41 : 3/.)' 7/' 7. ; 2 ' /02' 32@' 9 ? (3(5/. 7/(13' @75'
547.42)' ? 1.2' 7442H/78 2' /073' (/' @75' /1' /02' (3 ; ' 1' : 52'
/02' @1.95' 1% D 7 H1 2 ' 7 ' H7. /(25 ' (3' /02' 1H(3(13' 1% /02'
H : 8 (4 ' 079' 8241 ? 2' 51' NG : ? 8 29' 739' H. 15/(/ : /29' /07/' 31'
50791@' 1%' H. (34(H 2' 522 ? 29' /1' . 2 ? 7(3' (3' 73)' H7. /) O ' /'
@75' (// 2' /1' /02' 4.29(/' 1%' /02' 32@' (3(5/2.5 ' /07/ ' @023'
/02)' 5 : 8 ? (//29' /1' - 7. (7 ? 23/' /02' 7. /(4 25' 1%' - 2742 ' @0(40'
/02)' H. 1H1529' /1' 5 : 85/(/ : /2' %1. ' 1.9' 02 8 : . 32=5' . 2G24/29'
. 27/) ' /02)' @2. 2' %1 : 39' /1' 82' 7 ? 15/' (923/(47 ' @(/0' /0152 '
@0(40 ' 1@(3 ;' /1' 1M=5' 739' 1.9' 1. /0=5' 1HH15(/(13 ' 079' 01/'
13)' 8223' /02' ? 2735' 1% 1Q2. /0. 1@(3 ;' /02' 7/2' 1Q2. 3 ? 23/ e'
8 : /' 079' 327.)' . 29 : 429' /02' 41 : 3/.)' /1' 7' 5/7/2' 1%' 737. 40)
/(' 255' @75' (/' /1' /02' 4.29(/' 1%' 1M' 739' 0(5' D 0(;' 41 J
27 ; : 25 ' /07/' /02)' H. 1Q29' %7 52' /1' /0152' ; . 27/' H. (34(H 25' 1%'
%. 2291 ?' @0(40' 4135/(/ : /29' /02(. ' ? 7(3' 4 7(?' /1' H1H : 7. ' %7Q1 : .
' @(52' 739' 5/. 13 ;' ' ? 275 : . 2' 1%' - 7. (7 ? 23/7.)' 2%1. ?' ? (; 0/'
07Q2' . 2H7(. 29' ? 15/' 1%' /02' 92%24/5' (3' /02' 135/(/ : /(13 ' 8 : /'
: 307HH( )' : . >2' 739' 1.9' 1. /0' @2. 2' 7 ; . 229' (3' 1HH15(3 ;'
73)' 4073 ; 2' (3' /02' 2M(5/(3 ;' 5)5/2 ?' 1%' H1H : 7. ' . 2H. 2523/7/(13 '
739' 41352 I : 23/)' @023' - (//' (3/. 19 : 429' (3/1' - 7. (7 ? 23/' 7' 7)' '
? 1/(13' %1. ' 9(5%. 7340(5(3 ;' 41. . : H/' 81. 1 : ; 05 ' 739' ; (Q(3 ;' 799(J
/(137 ' ? 2 ? 82. 5' /1' /02' 41 : 3/(25' 739' ? 2/. 1H1 (/73' 9(5/. (4/5 '
02' @75' 92%27/29' 8)' 51' 7. ; 2' 7' ? 7G1. (/)' 75' ! SS ' N' 1/0(3 ;
9132' (3' 2%1. ? †O @. (/25' 1.9' 2 ? H 2' /1' 1.9' 1. /0(3 ; /13
N' 2M42H/' /02' 4.27/(13' 1% 32@' 1%%(425 ' 739' /02' @01 2' 7//23/(13'
1%' (3(5/2.5' 2M4 : 5(Q2)' / : . 329' /1' /02' 811>' 1%' : ? 82.5 O \!

F' 7. ' : 552 =5' 2 ? 1. (7 5' 1%' 1M ' Q1 ' ((' H ' +"
F' / ' D 7 H1 2=5' 75/' 1 : . 37 5 ' Q1 ' ((' H ' #! + ' ' ' H ' #+!
e' (38 : . ; O' 2Q(2@ ' Q1 ' M4(M ' H ' #* ' \' : 4>(3 ; (7 ?' - 7H2.5 ' Q1 ' (' H ' +"+

(L+ U ' -' ' ' & S!$"L

02' .25: /' 1%' /02' 417 (/(13' 82/@223' 1M' 739' 1.9' 1./0' 41: 9' 07Q2' 8223' ;.7/(%)(3;' /1' /02' H2.5137' Q73(/)' 1%' 32(/02.' 1M' /01:;0' 0(5' %1.?2.' 4135/(/:23/5' .2/:.329' 0(?' %1.' D 25/J ?(35/2.' @75' 0(5529' 739' 011/29' 75' 02' 5/119' 13' /02' 0:5/(3;5 F' 02' /0.22RH2.R423/' 41351 5' 079' 8223' 7/' 52Q23/)' R@023' /02' 170/(13' 23/2.29' (3/1' 1%%(42' 2%1.2' /02' 239' 1%' /02')27.' /02)' 079' 924 (329' /1' %(%/)R5(M %' (9(4:2' 75' @2 ' 75' (3Q24J /(Q2' @75' H 23/(%:)' 2Q2 29' 7/' /02' ?2?82.5B1%' /02' 32@' 9?(3(5/.7/(13' N' 7.(4G7/:.25 0' 57)5' .' D.(;0/' N' @2.2' 0:. 29' 7;7(35/' /02?' (3' ;(F27/2.'3:?82.5' 739' (3' 7' 82//2.'5/) 2' 1%' 2M24:/(13' /073' 079' 8223' @(/325529' %1.' 52Q2.7')27.5'0S' 02' ?15/' 31/78 2' 7./(5/5' @2.2' 7)2.' 739' 7')1:3;' ?73' 7?25' (.7)' @01' 7%/2.@7.95' 50132' 75' /02' ;.27/25/' 1%' 7' .(/(50' 4h.(47/:.(5/5' 1M' 0(?52 %' 1342' 1852.Q29' /07/' (7)2.=5' 47.(47/:.29' 079' 9132' 0(?' ?1.2' ?(540(2%' /073' 7' /0WR^7//74>5' ?792' 13' 0(?' (3' -7.(7?23/' 1.' 8)' /02' H.255 e' D 7 H1 2' (34(923/7)' 5H27>5' 1%' /02' N' 47./R 1795' 1%' 78:52' 739' 57/(.(4' H.(3/5' =' @0(40' @2.2' 4:..23/' 7/' /02' /(.72 \\' B 02' :>2' 1%' -1./ 739' 75' 82(3;' 7' ?2.2' 4)H02.'(3' /02' 07395' 1%' 1/02.5' 37/:.7)' 47?2' (3' %1.' 0(5' %: ' P 7.2' 1%' 92.(5(13' /' @75' 132' 1%' /02' ?73)' G1>25' @0(40' @2.2' % :3;' 7/' 0(?' /07/' /02' :>2' @75' N' 7' %(/' 8 14>' /1' ' 5 ' 13 0P' 02' :>2=5' B2 2Q7J /(13' .2?7.>29' 21.;2' 2 @)3' .2?(3929' 0(?' 1%' /02' 1 9' -:.(/73' .74/<N' ' 01Q2' /1' 73' 027Q)R8.22402 9' 0.(5J /(73 0 FF' N 02' 37/(13 0' @.(/25' D 7 H1 2' N 42./7(3)' 9(9' 31/' 47 ' %1.' 0(5' .742' @01' /(' 0(5' 31?(37/(13' /1' .2 739' 547.42' 73' 0:39.29' ?23' >32@' /1' 2M(5/' 2' 075' (Q29' (3' 9:47' 9:9;213' @(/0' 07 %R7R91623' /179R27/2.5' 524 :929' %.1?' ?73>(39' 820(39' /02' .7?H7./5' 1%' :.(3;/13' @7 ' 739' 1Q2.@02 ?29' 8)' 928/5' @(/01:/' 7' Q(5(8 2' 2MH2352' 1%' /@1' /01:5739' H1:395' 7R)27.0' % %

F' 7.' /7301H2=5' (%2' 1%' -(//' Q1(' ('H!!V'X' D 7 H1 2=5' 75/' 1:.37 5' Q1(' ((' H #!#]' :;025' (5/' 1%' 3; 739' Q1(' (((' H' !"V
(' 3; 739' :392.' /02' 1:52' 1%' 731Q2.' Q1(' ((' H' $S
e' @(55' (%2' 1%' 913' Q1(' ('H' !#+' \\' D 7 H1 2=5' 2//2.5' Q1(' Q(((' H' LV!' U ' D 7 H1 2=5' 2//2.5' Q1(' Q(((' H' LV!' B FF' ' H' +#!'] /' ' H' +VL

135(92.(3;' /0W' 8.179' 9(%%2.23425' 1%' 1H(3(13' 739' H.(34(H 2' @0(40' 2M(5/29' 82/@223' /02' (3;' 739' 1M' /02(.' H2.5137' (3/2.41:.52' 522?5'/1' 07Q2' 8223' 4139:4/29' (3' 7' ?(:40' ?1.2' %.(239)'Ê?7332.' /073' ?(;0/' .2751378)' 07Q2' 8223' 73/(4(J H7/29' N 02' (3;0' @.(/25' 1M' 13' /02' !"/0' 1%' H.(' N' 413/(3:25' /1' 8207Q2' @(/0' 2Q2.)' 92;.22' 1%' 4(Q(/)' 739' 51?2/(?25' 2Q23'@(/0' 41.9(7(/)' 739' 7;7(3' 02' @.(/25' 13' /02' +#/0' 1%' :) < N' 1' H22.7;25' 31' ?7.>5' 1%' 5:HH1./' 8:/' 4(Q((/)' 231:;0 0' F' 1.9' 1 739'(39229'407.;25'/02' (3;' @(/0' ?(55(3;' 31'HHH8./:(((/)' 1%' N'/@(//(3;'0' 0(5' (3(5/2.' 13' /02B' 5:8G24/' 1%' /02' /.27/)' 1%' -2742' 8:/' 75' %7.' 75' @2' 07Q2' 8223' 78 2' /1' 9(541Q2.' 13' 31' 82//2.' 7:/01.(/)' /073' /02' %1 J 1@(3;' 2M/.74/5' %(B1?' /02' (3;=5' 2//2.5' <

Q`' ' ' 'H 'J ' * 'G 'C 2

' 1 ¢( )' !$"L' S ?(3' H75/' $B`?

R' Q2.)' 9(%%(4:/)'(3' 4139:4/(3;' H2742' /0(5' 41:3/.)' 075' 7 132' (/52 %'/1' 7?2' s%1.Z' L ' ' 2 # 0' #' ' '%' ' ' 'C % " 0' !$"+ /' 739' /02' 0:..)' %1.' 32;1/(7/(13' /07/' 7%/2.' 235:29' (/'(5' 31' @1392.' /07/' 1:.' 232?(25' 522(3;' 1:.' 5H(.(/' 51' %7 23' 07Q2' /7>23' 79Q73/7;2' 1%'(/ 0'(

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N' '47331/'57)'/07/' '7?'51'5:.H.(529'7/' .7342'31/'H://(3;' /02' 75/'5/.1>25' /1'/02'92%(3(/(Q2'/.27/)'51'5113'75' @2'?7)'@(50'X' 75' 1:.' 07Q(3;' /1/7)'9(57.?29'(3' 799(/(13' /1' /02' 2M/.2?2' 73M(2/)' 501@3'%1.' H2742' 9:.(3;'/02'@01 2' H2.(19' /07/' 075' 235:29' s5(342' /02' 239' 1%' 28.:7.)'!$"+' 42./7(3)' ?7>25' 02.'%22' /07/' 502' 473' 07Q2K' 31' .27513' /1' 7HH.20239' 73)' 2Q(' %.1?' 51' 5 (;0/(3;' 7' H.1J 4229(3;0' e

F' 7.' :552 =5' 2?1.(7 5' 1%' 1M' Q1 '((' H' !,,

]' 02' (3;' 2Q(923/)' 7 :925' /1' 232.7' 13@7)=5' ?1/(13' (3' /02' 1:52' 1%' 1?J ?135' 13' /02'+$/0' 1%' 28.:7.)'!$"+' %1.' 9(5413/(3:(3;' /02' ?2.(473' @7.' X' 7' ?1/(13' @0(40' @75' 27.329' 7;7(35/' 1.9' 1./0=5' (3(5/.)' 8)' 7' ?7G1.(/)' 1%' +,S' 7;7(35/'+!V' 2'/1 9' 1.9' 1./0' 7/' 132' 1%' /02(.'.2423/' (3/2.Q(2@5' /07/' N'5(342' /02' Q1/2'.25H24/(3;' /02' ?2.(473' @7.0' 02' 079' %2 /' /02' ;.27/25/' (39(%%2.2342' 13' H1 (/(47' 5:8G24/5 <'

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73) 132 82 5:.H.(529 /07/ 1:./5 /.27/ 02. 7441.9(3;) F

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@75 7 5:8G24/ @0(40 B51 13;75 02 .2/7(329 0(5 .27513
32Q2.%7(29 /1 14475(13 0(?/02 ?15/ H1(;373/ ?1./(%(47/(13 U
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/02 (3;X 31.@75 21.;2 /02 0(.9 (35235(8 2 /1 /02 413J
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+ 7. :552 =5 2?1.(7 5 1% 1M Q1 ((H !VL
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18/7(329 8) ;23/ 2 ?2735 8) /02 ;119R@(1% /02 H2.513 /1 81 ;1Q2.329 739
781Q2 7 8)92;.225 .7/02./073 8)7 5:9923 2M2./(13 1% 5/.23;/0 (5 (3 (/5 37/:.2
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N 02 (3;=5 4139:4/ /1@7.95 /02 17 (/(13 (3(5/.) 0 @.(/25 (.D7 /2. 41//N @75
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;7Q2 /02?/02 %: H1@2. 1% /02(. 5(/:7/(13X 31/ 7%%24/(3; 7/ /02 57?2 /(?2 /1
413427 /07/ /02) @2.2 31/ /0152 @0152 755(5/7342 02 @1: 9Q1 :3/7.( ) 07Q2 401523 =
, 5 Q1 (Q H LL"

- ' &

02' - .(342P1%' D 7 25' 41 ? 25' 1%' 7 ; 2 < 02' 7 . ; 2' H . 1 @ (13 ' H . 1H1529' %1.' /02' - .(342' 8)' ' (3(5/2(R5 ' 9(57HH . 1Q29' 8)' /02' (3 ; < ' 4 .(5(5' 7Q1(929' 8)' 7' H . : 923/' 4134255(13' B' 13' / (1' H7 . /' 1%' /02' - .(342 < 1M=5' 39(7' (< 02' (3 ;' 739' /02' 1 : 3/ .)' 7 (>2' 9(557/(5%(29' @(/0' /02' H . 1H1529' ? 192' 1%' 9(5H235(3 ;' /02' Q75/' H7/ . 137 ; 2' 1%' 39(7 < ' 02' ('5/ . 23 : 1 : 5)' 1HH1529' 8)' - (// ' 8 : /' H75525' /02' 1 : 52' 1%' 1 ? ? 135' 8)' 7' 7 . ; 2' ? 7G1 . (/) < HH1529' (3' /02' 1 . 95' 8)' 7 . ' 2 ? H 2 ' @(/0' /02' 5734/(13' 1%' /02' (3 ; ' 739' /0 . 1@3' 1 : /R R 1352 I : 23/' 4073 ; 2' 1%' (3(5/ .) < - (//' 7HH1(3/29' - . 2 ? (2 .' < D ((7 ?' - (//' 739' 07 . 25' 7 ? 25' 1M' /02(.' 27 .)' / . 7(3(3 ; ' P2 . 5P1 : 7 ' /75/25 ' 407 . 74/2 . (5/(4' I : 7 (/(25 ' 739' H1 (/(47 ' . (Q7 50(H

- ' 32@' (3(5/2 . 5' 079' 31/' 8223' ? 73)' @22>5' (3' 1%(22 U82%1 . 2' /02)' @2 . 2' ; : (/)' 1%' 73' 74/' 1%' 9(541 : . /25)' /1@7 . 95' /02' (3 ; ' @0(40 ' 2Q23' (%' 02' 079' 079' 31' 1/02 . ' ; . 1 : 395' 1%' 41 ? J H 7(3/' 7 ; 7(35/' /02 ? ' @1 : 9 ' @2' (? 7 ; (32 ' 07Q2' G : 5/(%(29' 0(? ' 079' 02' /01 : ; 0/' H . 1H2 . ' /1' . 2 ? 1Q2' /02 ? ' %. 1 ? ' H1@2 . ' 02' - .(342' 1%' D 7 25' 82(3 ;' @(/0(3' 7' %2@' @22>5' 1%' 7//7(3(3 ;' /02' 7 ; 2' 1%' /@23/)R132 ' (/' 079' 8241 ? 2' 3242557 .)' /1' 52// 2' 0(5' %: / : . 2' 25/78 (50 ? 23/ ' 02' 02 8 : . 32' (3(5/ .) ' @((3 ;' /1' 8(9' 0(;0' %1 . ' /02' %7Q1 : . 5' 1%' /02' 02(. ' /1' /02' /0 . 132 ' 079 ' @023' (3' 1%%(42 ' H . 1H1529' /1' 413%2 . ' 13' /02' - .(342' 7' . 2Q23 : 2' 1%' ` ! ** ***' 7')27 . ' 739' 41352 I : 23/)' 31@' /07/' 0(5' N' 927 . ' 07 . 25' 0' @75' (3' H1@2 . ' /02' - .(342' ? (; 0/' . 2751378)' 2MH24/' 7/' 0(5' 07395' 7' 5(? (7 . ' (82 . 7 ' H . 1Q(5(13 ' 0(5' 5 : ? ' 01@J 2Q2 . ' 07HH2329' /1' 82' 91 : 8 2' /02' 7 ? 1 : 3/' 1%' /02' 7 1@7342' @0(40' 079' 8223' 23G1)29' 8)' /02' (3 ;=5' %7/02 . ' /02' 7/2' - .(342' 1%' D 7 25 ' 31/@(/05/739(3 ;' 02' @75' 7' 0 : 58739 ' 739' /02 ' %7/02 . ' 1%' 7' 3 : ? 2 . 1 : 5' %7 ? ( )' XF' %1 . ' @0(40 ' 739' /02 .

.275135 /@1 7 275 1% /02 78(32/ 1.9 1./0 739 1.9 103 7Q239(50 (35(5/29 /07 /02 H.1H1529 7?1:3/F@75 73 2M/.7Q7;73 132 739 /07 /02 -.(342 1:;0 /1 82 57/(5%(29 @(/0 `V* *** 7)27. F 1M 01@2Q2. 079 H 29;29 0(5 @1.9 /1 /02 9(551 :/2)1:3; H.(342 739 .7/02. /073 92H7./ %.1? 0(5 23;7;2?23/ @75 .251 Q29 /1 .25(;3 2Q23 /01:;0 0(5 .25(;37/(13 501: 9 8.27> :H /02 (3(5/.) 5 %1. /02 02(. /1 /02 /0.132 02 (5 57(9 /1 07Q2 8223 (3 245/75(25 7/ /02 327. H.15H24/ 1% 2M4073;(3; /02 /29(:? 739 /.7??25 1% H7/2.37 7:/01.(/) %1. /02 :3(?(/29 (39:;2342 1% 0(5)1:/0%: H 275:.25

3 /02 ?273 /(?2 7 /01:;0 /02 (3; 1:;0/ :3I:25/(13J 78) /1 07Q2 8223 /02 %(.5/ H2.513 4135: /29 (/ @75 31/ /(/02 !!/0 1% :32 739 /023 13) (3 475:7 413Q2.57/(13 @(/0 /02 :>2 1% -1./ 739 /07/02 27.329 01@ 073951?2 @75/02 H.1Q(5(13 @0(40 /02 :>2 739 1M H.1H1529 /1 ?7>2 %1. 0(5 513 % 02 @73/ 1% 4135(92.7/(13 /0:5 501@3 0(? 8) N 0(5 513=5 (3(5/.) 0 (<75 02 (5 57(9 /1 07Q2 47 29 /02 17 (/(13<41: 9 31/ %7(/1 1%%239 739 0:./ 0(? 922H) 3 /02 %(.5/ H 742 (/ @75 %7. %.1? 82(3; 2(/02. 0(5 @(50 1. 0(5 H1 (4) /1 .2392. 0(5 H.19(;7 739 9(51829(23/ 513 51 5:9923) 739 51 23/(.2) (392H23923/ 1% H7.23/7 413/.1 X 739 (3 /02 32M/ H 742 755:?(3; /02 02(. /1 /02 /0.132 /1 07Q2 7 %7(. 4 7(? /1 /02 (82.7 2391@?23/ H.1H1529 %1. 0(? 8) (3(5/2.5 5:.2) (/ @75 /1 0(5 1@3 %7/02. 739 31/ /1 7 H7./) @0152 H1 (/(47 1H(3(135 @2.2 9(7?2/(B(47) 1HH1529 /1 /0152 1% 0(5 %7/02. /07/ /02 -.(342 501: 9 07Q2 8223 /7:;0/ /1 %22 0(?J 52 %(3928/29 2Q2. 2M4 7(?29 /02 (3;(3 /02 8(//2.3255 1%

F 1M 0(?52 %@.(/25 /1 1.9 1./0(3;/13 13 /02 !$/0 1% :)X< N 02 /.:/0 (5 /07/ 2M42H/(3; /02 :>2 1% -1./ 739 739 1.9 2HH2 /02.2 @75 31/ 132 (3(5/2. @08 @1: 9 07Q2 %1:;0/ @(/0 73) 027./ (3 /0(5 47:52 41: 9 522 4 27.) %.1? /02 82;(33(3; 13; 82%1.2 /02 9(%%(4: /(25 7HH27.29 /07/ 1.9 1./0 739 1.9 103 /01:;0 /02) 9(9 31/ 57) 51 /01:;0/ /02 7.;2 25/78 (50?23/ 2M/.7Q7;73/ 0 2?1J .(7 5 1y 1M Q1 ((H !!#
/ D7 H1 2=5 75/ 1:.37 5 Q1 ((H #+"
(>89 H #!S

((5' %22 (3;5' 41: 9' (2' %1.;(Q2' 73' 9?(3(5/.7/(13' / (7/' 41: 9' 574.(%(42' /02' (3/2.25/5' 1%' /02' H:8 (4' /1';(B7/(%)' /02' @(5025' 1%' 73' N(R79Q(529')1:3;' ?73 0 F' 2' (5' 2Q23' 57(9' /1' 07Q2' H2.5137)' .2H.174029' /02' :>2' 1%' -1./ 739' @(/0' 52//(3;' :H' 0(5' 513' (3' 1HH15(/(13' /1' 0(?52 %'%

02' (3;=5' ?(39' 01@2Q2.' @75' 5113' ?792' :H' 13' /02' 5:8G24/' 7>(3;' (3/1' 4135(92.7/(13' 02' 57(9' /02' 027Q)' 2MH23525' 1%' /02' 7/2' @7.' 739' /02' %(3734(7' 2?87..755?23/' :392.' @0(40' /02' 41:3/.)' 7/' H.2523/' 781:.29' 02' 41: 9' 13' 31' 7441:3/' /0(3>' 1%'%:./02.' 8:./023(3;' 0(5' 5:8G24/5' @(/0' 73' 733:7' 407.;2' 7?1:3/(3;' /1' 51' 7.;2' 7' 5:?' 75' `!** ***'%' 2' @75' 1%' 1H(3(13' /07/' `V* ***' 7')27.' @75' I:(/2' 7' 5:%%(4(23/' 7 1@7342' %1.' 0(5' 513' 739' /07/' 5:?' 02' @75' .279)' /1' H7)' 0(?' 1:/' 1%' 0(5' 1@3' (Q(' (5/' 0(5' (392H23923/' 739' .251 :/2' 4139:4/' 13' /02' H7./' 1%' /02' (3;' (3' 1HH15(/(13' /1' /02' 5/.13;' .2?135/.73425' 1%' 7' ?7G1.(/)' 1%' /OW' 78(32/' 4 27.)' 2Q(3429' /1' (3(5/2.5' 01@' (3524(32' /02)' @2.2' (3' /02(.' H 7425' 31.' (3' /02' 1H(3(13' 1%' 1M' 41: 9' /02' (3;' 079' 02' @(5029' /1' ;2/' .(9' 1%' /02?' 07Q2' 8223' 7%%1.929' 7' ?:40' ?1.2' %7Q1:.78 2' 1HH1./:3(/)' N' 02)' @1: 9' 07Q2' 079' 13' /02(.' 5(92 0' 02' @.(/25' /1' 1.9' 1./0(3;/13' N/02' Q7.(1:5' 4.(25' 1%' H7/2.37' 7:'/01.(/) < 24131?) < ?192.7/2' 25/78 (50?23/ < ?(540(2%J ?7>(3;' 82/@223' %7/02.' 739' 513' 739' ?73)' 1/02.' H 7:5(8 2' /1H(45 0' e' Q23/:7)' /1' /02' 4.29(/' 1%'/02' -.(342' 1%' D 7 25' /02' I:25/(13' @75' 52/' 7/' .25/' 8)' 0(5' 413523/(3;' /1' .2 2752' 0(5' %.(2395' %.1?' /02(.' 18 (;7/(13' D 7 H1 2' (39229' @1: 9' 07Q2' :5' 82 (2Q2' /07/' 02' %2 ' (3/1' h' %2Q2.' %.1?' Q2M7/(13' 8:/' 13' /02' 1/02.' 0739' @2' 07Q2'₱/02' 7:/01.(/)' 1%' 1M' 0(?52 %' /07/' /02' -.(342' 8207Q29' N'(3' /02' 073951?25/' ?7332. 0' \! N' 82 (2Q2 0' @.(/25' 1M' /1' 1.9' 1./0(3;/13' N02' @75

F' 7.' :552 =5' 2?1.(7 5' 1%' 1M' Q1 ' ((' H' !!L
]' D7 H1 2=5' 75/' 1:.37 5' Q1 ' ((' H' #L!'
/' 7.' :552 =5' 2?1.(7 5' 1%' 1M' Q1 ' ((' H' !!L
e' '5 #' Q1 ' ((' H' !!V!
' D7 H1 2=5' 75/' 1:.37 5' Q1 ' ((' H' #+,' X' 2?1.(7 5' 1%' 1M' Q1 ' ((' H' !!S

37/:.7)' Q2.)' 7Q2.52' /1' (/' 8:/' 1 132' 7>2 F' 739' 1/02.5' @01?' 02' ?15/' /.:5/5' H2.5:7929'0(? /1R(/' 739' /02' (3/23/(13' 1%' 91(3;' 51' 47?2' %.1?' 0(?'/1' :5' 5H13/7321:5)' %'(/' 079' 31/' '1@3' '501: 9' 07Q2' %2 /' ?)' 2 %81:39' /1'%1 1@' 0(5' .1)7' 0(;03255=5' (32':H13' /02' 5:8G24/' /01:;0' '>31@' /07/' 8)' 51' 91(3;' '501: 9' 925/.1)=/02.' (3(5/.)' (3' /02' @1.5/' H155(8 2' @7)' 739' 5:8G24/' ?)52 %' /1' / 2' PH:/7/(13' 1%' /02' ?15/' 2MJ /.2?2' @.13;R0279293255' ' 507 ' 7 @7)5' /02.2%1.2' 413J 5(92.' /02' -.(342=5 %07Q(3;')(2 929K' 7' ?15/' %1./:37/2' 2Q23/' 739' 507 ' 7 @7)5' %22' ?)52 %' H.1H1%%(137)' 18 (;29' /1' 0(?' 739' /1' /0152' KQ9(1X79Q(529' 0(? OBG^K' /c@75' %(37)' 7..73;29' E75 1.(;(37)' H.1H1529' 8)' /02' (3;' /07/' 02F' 501: 9' 7 1@' 0(5' 513' `V* ***' 7' )27.' 1Q2.' 739' 781Q2' /02' .2Q23:2' 92.(Q29' %.1?' /02' :40)' 1%' 1.3@7 ' @0(40' (5' 5/7/29' /1' 07Q2' 7?1:3/29' 7/' /0(5' /(?2' /1' 31' ?1.2' /073' `!+ ***' 7')27.' 02' 13)' 92?739' ?792' :H13' -7.(7?23/' @75' %1.' `L* ***' /1' 92%.7)' /02' -.(342=5 928/5'_739' %1.' 7' (>2' 5:?' /1' 755(5/' (3' %1.?(3;' 0(5' 25/78 (50?23/'%

1@' 922H)' 9(5/.255(3;' /0(5' @01 2' 7%%70FB@75' /1' /02' (3;' /02.2' (5' 7?H 2' 2Q(92342' /1' H.1Q2' 2' 31/' 13)' /1 9' 1.9' 2./%1.9' /07/' 02' 2Q2.)' ?1.3(3;' @(5029' 0(?52 %' 2(;0/)' 1.' 3(32/)' 1.' 9279' 8:/' (3' 132' 1%' 0(5' (3/2.Q(2@5' @(/0' /02' :>2' 1%' -1./ 739' @75' 51' B7%%24/29' 75' B/1' 8:.5/' (3/1' N' 73' 7;13)' 1%' /27.5 Ø e' /(' 1831M(1:5' 75' @2.2' 0(5' H.2523/' (3(5/2.5' /1' .3' 02' 522?5' /1' 07Q2' 7%%1.929' /02?' (// 2' 47:52' %1.' 41?H 7(3/' :40' 75' 02' 9(5 (>29' /02?' 02' /1 9' 1.9' 2./%1.9' 02' @75' .251 Q29' /1' ;(Q2' /02?' %7(.' H 7) \\' 1M' @75' 2Q23' 573;:(32' 231:;0' /1' /0(3>' /07/' (3(5/2.5' @2.2' N' 51?2/0(3;' 5/.13;2.' Ø /073' 82%1.2' /02' .2423/' 7 /2.47/(13' N' ' 82 (2Q2 Ø 02' @.(/25' N' /02' (3;' (5' 32(/02.' H 27529' 31.' 9(5H 27529' @(/0' :5X /07/

F' 2.7.9' 4.27/29' 4/182.' L!5/' !"*$' (541:3/' 7>2' 75' 7' .2@7.9' %1.' 0(5' 8.((73/' 52.Q(425' (3' 39(7' 2' @75' 7/' /0(5' H2.(19' (.5/' I:2..)' 739' 1?? (55(132.' 1%' /02' 1.52' /1' /02' -.(342' 1%' D 7 25' 2' 9(29' (3' 28.:7.)' !"*"' 7/' /02' 7;2' 1%' 5(M/)R%(Q2

]' 7.' :552 =5' 2?1.(7 5' 1%' 1M' Q1 ' ((' H' !!$'

/' D 7 H1 2=5' 75/' 1:.37 5' Q1 ' ((' H' #L*

é' @ #' HH' #+,' #LL' \\' '5 #' H' #LL

7%%1.929 1% 9(?(3(5 ((3;/02 H1@2.1%/02 .1@3 739 7/ /02 57?2/(?2 1%H.1?1/(3;/02 H1 (/(47 (3/2.25/5 1% 1M 739 0(5 %.(2395 079 31/ 8223 1Q2. 11>29)(/5 H.1Q(5(135 /02 1Q2.3?23/ 1% 39(7 @75 /1 02 /.7.(5%2(29 %1.7 42.J /7(3 3:?82.1%)27.5 %.1?/02 75/ 39(7 1?H73)/1 7 17.9 /1 4135(5/ 1% 52Q23 1??(55(132.5 @01 @2.2 31/ /1 82 .2?1Q78 2 8)/02 .1@3 2M42H/ 13 73 99.255 1%2(/02. 1:52 1% -7.(7?23/ 0:5 /0(5 G3275:.2 (% 47..(29 (3/1 2%%24/ @1:9 07Q2 413Q2)29 /1 /02 (3(5/2.1% /02 97)/02 (??2352 H7/.137;2 1% 39(7X @1:9 07Q2 .2392.29 0(? %1.7 13;H2.(19 /1 41?2 (392H23923/ 1% /02 .1@3 739 8) .29:4(3;/02 1Q2.2(;3 /1 7 41..25H139(3;5/7/2 1% 5:8J G24/(13 @1:9 07Q2 8223 7/ 9(.24/ Q7.(7342 @(/0 /02 5H(.(/ 1% /02 135/(/:/(13 /@75 7 ?275:.2 @0(40 75 1M 0(?J 52 %@75 @2 7@7.2 41:9 13)82 47..(29 (3/1 7@8)97.(3;739 /74/ 1% 31 41??13 1.92. 739 8) @07/ 1M=5 232?(25 @1:9 91:8/ 255 799 51?2 92.2 (4/(13 1% H1 (/(47 H.18(/) 1 0(5 %.(239 1.9 1./0(3;/13 1M @((/25 /07/ (/ (5 N7 Q(;1.1:5 739 0767.91:5 ?275:.2 13 @0(40 7 92H23929XO F @0(2 /02 255 573;:(32 739 ?1.2 57;74(1:5 1.9 1./0 .2;7.929 (P (3 7 5/(?1.2 N 0767.91:5 O H1(3/ 1% Q(2@ 2 4135(92.29 (/ 02 57(9 N 7 ;119^.242(H/ /1>314> :H 73 9?(3(5/.7/(13 O% /Y% /02 32@ 17.9 7. (/6@((7?@75 925(;329 /1 82 07%.?73 739 21.;2 1./0 1.9 1./0=5 2 925/ 513 132 1% (/5 2?82.5

:/ (3 /02 ;232.7 25/(?7/(13 1% /02 H:8 (4 (/ @75 31/ 51 ?:40 /02 234.1740?23/ 13 /02 .1)7 H.2.1;7/(Q2 < @0(40 82(3;13)(39(.24/)7(?29 7/ @75 547.42)H2.42H/(8 2 < /07/ .2392.29 1M=5 ?275:.2 7 H2.(1:5 132 8:/ /02 5@22HJ (3;Q(1 7/(13 @0(40 (/ 413/2?H 7/29 1% 407./2.29 .(;0/5 739 (??:3(/(25 1 51132. /023 @2.2 (/5 5H%.(/ 739 /239234) %:)41?H.2023929 8)/02 41??:3(/) /073 (/ 2M4(/29 73 7?1:3/ 1% (39(;37/(13 /0.1:;01:/ /02 41:3/.) 1% @0(40

F 7. :552 =5 2?1.(7 5 1% 1M Q1 ((H !$!
/ (401 5=5 241 24/(135 1%/02 2(;3 1% 21.;2 L 1 (H V#

(/' @1: 9' 82' 9(%%(4: /' /1' ;(Q2' 73' 2M7;;2.7/29' 9254.(H/(13'
N 1.(25' 739' 2?14.7/5 0' @(=(/25' 1.9' 747: 7)' NG1(329'
(3' H.131:34(3;' /82' H.1H1529' 17.9' 73' :34135/(/:/(137'
819)' /' @75' /1' 4135(5/' 1%' 1M=5' 31?(3225' 82' 2%%24/'
1%' 8(5' 8(' @75' /1' ;(Q2' 31/' /1' /82' .1@3' 8:/' /1' 8(?'
H2.5137)' @82/82.' (3' 1%%(42' 1.' 1HH15(/(13' 73' 231(?1:5'
H1@2.' 7' H7/.137;2' 5:%%(4(23/' /1' 41:3/2.87 7342' /82' H7/.1J
37;2' 1%' /82' .275:.)' 739' 1%' /82' 9?(.7 /)' 739' /1' 924(92'
/82' 2 24/(135' %1.' %(%/)' 81.H:;85' 2' >32@' (/' @75' 57(9' /07/'
82' @75' 07/2%:' 7 (>2'R/1' (3;' 739' H21H 2'X 739' 82' 879'
92Q(529' 7' H 73' @8(48' @1:9' ?7>2' 8(?' (392H23923/' 1%'
81/0 0' D(82.%1.42'(3Q2(;029' 7;7(35/' /82' ?275:.2FR/1'8(5'
4135/(/:23/5' 7/' 1.>' 75' /82' 1%%5H.(3;' 1%' /07/' N':337/:.7'
413G:34/(13'0' /82' 17 (/(13<N'?7.>29'@(/OR' /82' %27/:.25' 1%'
81/0'(/5'H7.23/5<827.(3;' /1>23' /1' /82' Q(1 2342' 1%' /82' 132'
739' /82' 41..:H/(13' 1%' /82' 1/02.0' %' -(//' 1HH1529' /82' H.1J
;.255' 1%' /82' ?275:.2' /0.1:;0' /82' 1:52' 1%' 1?? 135' @(/0'
7' /82' 2 1I:2342' 7/' 8(5' 41??739' 2' 79?(//29'(39229'
/07/' 2%1.?' @75' .2I:(.29' (3' 39(7' 8:/' 31/' 7' 2%1.?' 82'
79929'@0(40' /0.27/2329' /1' 8.27>' /0.1:;0' 2Q2.)'H.(34(H 2'
1%' 2I:(/)' 739' G:5/(42' 01:9' /82' (' H755' (3/1' 7@' 82'
413/(3:29' 31' H:8 (4' 5289.(/(25' @07/2Q2.<31' H:8 (4' 41.H1J
.7/(13<31/' /02' 73>' 1%' 3; 739<31/' 2Q23' /02' 7;37'
87.7' (/52 %' @1:9' 82' 524:.2' %(B1?' /82' (331Q7/(135' 1%' 7'
N.7Q231:5' 17 (/(13 0' @0152' 07.H)' G7@5' @2.2' ;7H(3;' /1'
5@7 1@' 7' H7/.137;2' 7?1:3/(3;' /1' ?1.2' /073' /@1' ?((135'
1%' ?132)' 5/2.(3; PX' 1.' @75' (/' (3' -7.(7?23/' 13)' 739'
%1.' H7./)' H:.H1525' 7 132' /07/' -(//' 9231:3429' 8(5' .(Q7=5'
?275:.2' 75' %.7:;0/' @(/0' 973;2.' /1' /82' 135/(/:/(13' 739' 75' 73'
:3G:5/(%(78 2' 413%(547/(13' 1%' Q25/29' H.1H2./)' 739' .(;0/5' 1'
/02' :>2' 1%' :/ 739' 02' @.(/25' 13' /82' ++39' 1%' 1Q2?82.X<'
N' 82' (' @8(48' 1M' 075' 8.1:;0/' (3' .2 7/(Q2' /1'R 39(7' @(' '
82' 132' @7)' 1.' 1/02.' 924(5(Q2' %1.' 1.' 7;7(35/' /82' 17 (/(13

d' 747:7)=5' (1;.7H((25' H' !#$' /' 8(%2' 1d' D(82.%1.42' Q1' (' H' VS
d' 2507?=5' 2?1(.5 1% 21.;2 L' Q1' (((' HH' LL"' LL,

/ (5 .27)/0(3>/02 81 925/ 739 ?15/ :34135/(/:/(137 ?275:.2 2Q2./ 7//2?H/29 /.735%2..(3;R/ 7/ 132 5/.1>2/ (3 5H(/2 1% 7 /407./2.5 739 41?H74/5/02 (? ?2352 (3% :2342 739 H7/.137;2 1%/02 75/ /1 07. 25 1M/(3 1./1:/ 1% %%(42 /0(3>/ (/ R@(/@(/0 9(%%(4: /)/ (% 7/ 7 /%(39 (/5@7)/0.1:;0 1:./ 1:52/ 739 473 32Q2./ 5:44229 (3)1:.5 0 1M /01:;0/ 1/02.@(52/ 1 1.9 551.)/ 02 @.(/25 13 /02 +!5/<N/ 7?/Q2.)/ 413%(923/ 8:/ 2Q2.)/ Q1/2 s(3 /02 1:52 1% 1?J ?1352 @(/2/13 7441:3/ 1%/02 1:52 1% 1.95 7%/2.@7.95/ % @2 473 827/ /02?/ 75 /01H2 /1 91/ 8)/ 7 0:39.29 1./ 132 0:39.29 739 %(%)/ (/ @(/ ;(Q2 7 ?15/ 41?H 2/2 8 1@ /1 /02 232?)/ s%.1?Z @0(40 %02)/ @(/ %(39 (/ 9(%%(4: / /1 .241Q2. 0 %

/ @75 9:.(3;R /02 H.1;.255 1% /02 39(7 (/ /0.1:;0 -7. (7?23/ /07/ :.>2 92 (Q2.29 132 1% /02 ?15/ /1:40(3;/
24 ! (3;23(1:5 739 827:/(%:/ 1.7/(135/ /07/ 079 2Q2./ 8223 (5/2329 /1 (3 /02 1:52 1% 1??135 ZX 1M/ /11/ 92%23929 0(5 %7Q1:.(/2 ?275:.2 @(/0 5H 239(9 78(/)/ 739 7441.9(3;)/ 8)/ /02 :3(/29 2%%1./5 1% /0252 /@1 ;(%/29 ?23/ 41?8(329 @(/0 /02 5/7:340 5:HH1./ @0(40 /02)/ .242(Q29 %(=1?/ 1.9 1./0 739 0(5 %.(2395/ /02 (/ @75 47..(29 /0.1:;0 /02 1:52 1%
24 "/ 1?? 135 8)/ 7 ?7G1.(/)/ 1%+*"/ 7;7(35/ !*+/ 02 %1 1@(3;/ 97)/ 1M/ 7//23929 8)/ 7 7.;2 7552?8 7;2 1% ?2?82.5 1% /02 1@2./ 1:52/ H.2523/29 /02 (/ (3 /.(:?H0 7/ /02 87./ 1%/02 1:52 1% 1.95

-.2Q(1:5)/ /1 .241.9(3;/ /02 %7/2 1% /02 %7?1:5 39(7 (/ (3 /02 1:52 1% 1.95/ (/ 8241?25 3242557.)/ /1 .2%2./ /1 7)1:3;/ 318 2?73 @01/ /01:;0 31/ (3 H1@2./ 2M2.4(529 7/ /0(5 H2.(19 31 5 (;0/ (3% :2342 :H13 H:8 (4 7%%7(.5/ R21.;2/ 524139 7./ 2?H 2/ 739 7%/2.@7.95 %(.5/ 7.I:(5 1% :4>J (3;07?/@75 /02 2 925/ 513 1%/02 (3;=5 1 9 H1 (/(47/73/7;1J 3(5/ 21.;2 .23Q(2/ 739 32H02@ /1 (407.9 7./ 2?H 2

F 7./ /7301H2=5 (%2 1% -(//Q1/(/HH/!S*<!
]/ 7./ :552 =5 2?1.(7 5 1% 1M/Q1/((/H/+!V/
(/ -.(1.=5 (%2 1% :.>2/Q1/(/HH/SL"/SL,/+?/ 9(/(13

/1' @0152' /(/ 25' 739' 318 2' 25/7/25' 02' 079' 5:4422929' (3' /02' ?13/0' 1%' 2H/2?82.' !$$,' (5' H.(34(H7'%7: /5' 7.2' 57(9' /1' 07Q2' 8223' 185/(374)' 7Q7.(42' 1Q2.@223(3;' H.(92' 739' (%' D7H1 2' (5' /1' 82' 82 (2Q29' 31' Q2.)' 3(42' .2;7.9' %1.' /.:/0 F' 01:;0' ;(%/29' @(/0' /7 23/5' 1%' 31' Q2.)' 0(;0' 1.92.' 02' @75' 13' /02' 1/02.' 0739' (392%7/(;78)' (39:5/.(1:5' 739' (31.9(37/2)' 7?8(/(1:5' 3' /02' %1.?7/(13' 1%' /02' 17 (/(13' (3(5/()' 02' 079' 0(;0)' ;.7/(%(29' /02' (3;' 8)' /0.1@(3;' :H' 0(5' H15/' 1%' 1.9' (2:/2373/' 1%' .2 7(G9' 739' 52H7.7/(3;' 0(5' (3/2.25/5'%.1?' /0152' 1%' /02' :>2' 1%'-1./ 739' 739' 1M BGB' (342' /07/' /(?2' 02' 522?5' /1' 07Q2' 529:1:5)' 7HH (29' 0(?52 %' /1' @(3' /02' %7Q1:.' 739' 413%(92342' 1%' 0(5' 1Q2.2(;3' ..(Q(3;' (3' 3;J 739' 7/' /02' H7./(4:7.' /(?2' @023' /02' (3;' 739' 0(5' (3(5/2.5' @2.2' 7/' (55:2' 13' /02' 5:8G24/' 1%' /02' -.(342' 1%' D7 25=5' 25/78 (50?23/' 02' @75' (??29(7/2)' 79?(//29' /1' 73' (3/2.Q(2@' 7/' /' 7?25=5' @023' 02' 23/2.29' 51' @7.?)' (3/1' /02' (3;=5' %22 (3;5' 739' 5:852I:23/)' /11>' 51' 74/(Q2' 7NH7./' 7;7(35/' /02' -.(342=5' (3/2.25/5' /07/' /02' 7//2.' @75' 027.9' /1' 924 7.2' 02' @1:9' 32Q2.' %1.;(Q2' 0(?G' 1@' /023' 02' @75' 7%%1.929' 7' %7./02.' 739' 31' 255' %7Q1:.78 2' 1HH1./:3(/)' 1%' (3;.7/(7/(3;' 0(?52 %' @(/0' 0(5' 1Q2.2(;3' 8)' 1HH15(3;' /02' 39(7' (' /1' @0(40' ?275:.2' 02' 31/' 13)' %1:39' /02' (3;' (3' /02' 0(;025/' 92;(R22' 015/(2' 8:/' (3423529' 82)139' ?275:.2' 7;7(35/' 0(5' (3(5/2.5' %1.' 07Q(3;' 8.1:;0/' (/' :392.' /02' 4135(92.7/(13' 1%' -7.(7?23/' 2' 32Q2.' @1:9' ;(Q2' 0(5' 413%(92342' 02' /1 9' 1.9' 2?H 2' /1' 5:40' 7' (3(5/()' 75' /02' H.2523/' 132' 2' @1:9' /7>2' /02' %(.5/' 1HH1./:3(/)' 1%' 9(5?(55(3;' /02?' %.1?' 0(5' 52.Q(42 e

/' :529' /1' 82' ;232.7)' (?7;(329' /07/' /02' H7./(4:7.' %74/' 1%' 1M=5' (' 07Q(3;' 7' /239234)' /1' (?H7(.' /02' .1)7' 7:/01.(/)' @75' %1.' /02' %(.5/' /(?2' H1(3/29' 1:/' /1' /02' (3;

F' D7H12=5' 75/' 1:.375' Q1' ((' H' #++'
/' :4>(3;07?' -7H2.5' Q1' (' H' !,+'
(' D7H12=5' 75/' 1:.375' Q1' ((' H' #L*'
é :4>(3;07?' -7H2.5' Q1' (' H' L*L

8)' 1.9' 2?H 2' 739' /023' (3' 73' (3/2.Q(2@' @0(40' /11>' H 742' 82/@223' /02?' 13' /02' !!/0' 1%' 242?82.' %1:.' 97)5' 82%1.2' /07/' 7HH1(3/29' %1.' /02' 524139' .279(3;' 1%' /02' (' (3' /02' 1:52' 1%' 1.95<

B 3' /07/' ;(B27/' 97)' @023' :4>(3;07?' 8)' H7(.5' 5423929' 27Q23R(?H2 29' /02' (3;=5' 874>' 5/7(.5'X 39' H73/(3;' 8.27/0 255' 5/.7(329' 0(5' :3;5' /1' 501@' .1?' 1M=5' (' @07/' ?(;0/)' (5' @1: 9' % 1@' X /(' 75' @(/0' 5/7??2.(3;' /13;:2' 02' /1 9' 0(5' /7 2' 3:5:7' /2..1.5' .:35@(4>=5' 027./' 7557(D(92' 5/7./5' 0(5' @0(/2' @(;' %.1?' /01' 1)7' 27. 39' 2740' H7(/(4(97.' 07(.' 5/7395' 5/(%%' @(/0' %27.0

' #

:/' 01@2Q2.' 7./%:)' 739' (35(9(1:5)' /02' (' ?7)' 07Q2' 8223' 9.7@3' :H' (/' (5' 9(%(4:/' /1' (?7;(32' /07/' /02' 973;2.1:5' 41352I:23425' @(/0' @0(40' (/' /0.27/2329' /02' .1@3' 501:9' 07Q2' 2547H29' /02' 9(542.3?23/' 1%' 7' ?137.40' 7/' 1342' 51' 50.2@9' 739' 51' G27 1:5' 1%' 0(5' H.2.1;7/(Q2' 75' 21.;2' /02' 0(.9' 1.21Q2.' /07/' /02' (3;=5' 7HH.20235(135' 079' 8223' 7.1:529' 7/' 7' ?:40' 27.(2.' H2.(19' /073' 075' 8223' 41??13)' 5:HH1529' (5' H.1Q29' 8)' 7' 914:?23/' @0(40' 2M(5/5' (3' 1.9' 2?H 2=5' 0739@./(/(3;' (3' @0(40' /02' (' (5' 5H1>23' 1%' 75' N 7' H 73' /1' /7>2' ?1.2' /073' 07%' /02' .1)7' H1@2.0' 739' 13' @0(40' 7.2' (391.529' /02' @1.95' 7 #' 0' #' " +' 7 % ' 5(' !$"L 0F 3' %:./02.7342' 1%' 42./7(3' 79Q(42' 413/7(329' (3' /07/' H7H2.' 1.9' 2?H 2' (3' 0(5' (3/2.Q(2@' @(/0' /02' (3;' 13' /02' !!/0' @75' %:.3(5029' 8)' 0(?' @(/0' @.(//23' 7:/01.(/)' /1' (3/(?7/2' /1' 5:40' -22.5' 75' 02' ?(;0/' /0(3>' H.1H2.' /07/' /02' (3;' 9(57HH.1Q29' 1%' /02' (' 75' 82(3;' :3J 4135/(/:/(137' 739' 5:8Q2.5(Q2' 1%' /02' .(;0/5' 1%' /02' .1@3' 739' %:./02.' /07/' 0(5' 7G25/)' @1:9' .2;7.9' /0152' @01' Q1/29' %1.' (/' 75' 0(5' 232?(25%' H' /1' /0(5' /(?2' 1M' 079' 8223' /1 2.78)' 573;:(32' 75' /1' /02' %7/2' 1%' 0(5' ?275:.2' (3' /02' 1:52

F :4>(3;07?' -7H2.5' Q1 ' (' HH' +"" <,]' 7.' :552 =5' 2?1.(7 5' 1%' 1M' Q1 ' ((' H' ++*

1% 1.95' 8:/' 31' 51132.'@75' /82' %74/' 1% 1.9' 2?H 2=5' 41?J ?(55(13'@0(5H2.29' 781:/'/073' ?(5;(Q(3;'(%'31/'925H139234)' /11>' H155255(13' 1%'/82' 8(3(5/2.(7'47?H(

3'/82' 7HH1(3/29' 97)'/82' !V/8' 1% 242?82.'/82' 524139' .279(3;'1%'/82' 39(7' ('/11>' H742'(3'/82' 1:52' 1%' 1.95' 02.2' 1.9' 2?H 2' 9231:3429' (/' 75' 73' ' $$' 7;7(35/'@0(40' 82' @75' 13)'/11' 07HH)'/1' 23/2.'0(5' H.1/25/' @0(2' 1.9' 8:.1@' (3Q2(;029' 7;7(35/'(/'@(/0' 7 '/02' (.13)' 739' /82' 2 1I:2342' 7/'0(5'41?? 739' N 5''7801.'/).733)'(3' 7 '(/5' 507H25 0' 02' Q202?23/)' 2M4 7(?29'N' 507 ' 1HH152' ?15/' 5/.23:1:5)'/0(5' 5/.73;2' 7//2?H/' /1' 925/.1)' /82' /.:2' 87 7342' 1%'1:.' 135/(/:/(13' '@(50' /1' 522' /82' .1@3';.27/' 739' .25H24/78 2'8:/'(%'/82' H.2523/' ('501:9' H755'(/'@(' 31' 13;2.'82' @1./0)' 1%' 7' ?73' 1%' 0131:.'/1' @27.' 02' (3;' (3' %74/'0< 739' 02' %(M29' 0(5' 2)25' H1(3/29)' 13' /02' -.(342' 1% D 7 25' 75' 82' 5H1>2< N'@(' /7>2' /82' 9(792?' %.1?' 0(5' 0279' 739' H 742'(/' 13' /02' 0279' 1% .' 1M 0F' 3' /02' 41:.52' 1%' 7' 5:852I:23/' 9287/2' /02' Q232.78 2' 1.9' 7?923' 92J (Q2.29' 7' 5(?(7.'1H(3(13' N' D 2.2' /0(5' 8(0' 02' 2M4 7(?29' N' /1' H755' (3/1' 7@' Q2 501:9' 522' /82' (3;'1% 3; 739' 739' /02' (3;'1% 23;7'413/239(3;'%1.'5:H2.(1.(/)'(3' /82' .(/(50' -7.(7?23/ 0'%

3'/82' ?273' /(?2'/82' (3;=5' @(5025' 879' 8223' 41??:3(J 47/29' /1' 42./7(3' 1%/82' 1.95' 5H(.(/:7' 739' /2?H1.7' 13' @0152' ?(395' (/' H.19:429' /02' 2%%24/' @0(40' 079' 8223' 413/2?H 7/29' N' 02' (501H5' @7Q2.0' @.(/25' (/6H7/.(4>' /02' 57?2' 97)'/1' 1.9' 551.)' N 739' /02' 07325' %)'(%1?' :5 0 0' 02' /.:2' ?2.(/5' 1%' /02' (<'/82' Q2 %7.2' 739' 07HH(3255' 1%' /0(./)

F' 7.'B /73(1H2=5' (%2' 1%'-(//' Q1 '(' HH' !S#<$' 1.9' 0:.1@=5' @1.95' Q2.)' H.1878)' 5:;;25/29' /1' .' 103513' /02' @2 R>31@3'.2?7.>' @0(40' 02' ?792' /1' 15@2 '/07/' (/' 079' 8241?2' N 7' 91:8/' @02/02.' /02' 41:3/.)' 501:9' 82'.:29' 8)'/02' 542H/.2' 1%' 21.;2' /02' ((.9' 1.'/02' /13;:2' 1%' 1M'0' *).'6 " .'0 ' '? 4 ' H' $#+' 9' !"S"

/' 2 507?=5' 2?1(.5' 1%' 21.;2' L' Q1 ' (((' H' LSS

(' 7.' :552=5' 2?1.(7 5' 1%' 1M' Q1 ' ((' H' ++* < (/6H7/.(4>' 1%' 41:.52' 7 :925' /1' /02' (9 2' 82 (2%' @0(40' 2Q23' 7/' /0(5' 7/2' H2.(19' 079' 31/' 23/(.2)' 9(29' 1:/' (3' 1.9' :/2=5' 524.2/' (3% :2342' @(/0' /02' (3;

?((135' 1%' H21H 2 < @2.2' 1Q2. 11>29'' (3 ' /02' 2M4(/2 ? 23/' H.19 : 429' 8)' 52 %(50 ' (3/2.25/5X' 8)' H7./)' 627 ' 739' '1% 4(1 : 5' 1)7 /) ' N' 35/73/) O' @.(/25' 1.9' 747 : 7) ' N' 7' /.11H' 1%' 1.95' 1 %^/02' 29407 ? 82. ' 1%' (501H5' @01' @(5029' /1' 82' /.735 7/29 ' 739' 1%' 41/40' H22.5' @01' @(5029' /1' 82' .2R2 24/29 ' ? 792' 075/2' /1' 4073 ; 2' 5(925 O' (' 3' /02' ? 273' /(? 2 ' 31/' 13)' 079' 1.9' 2 ? H 2=5' 507.2' (3' /0(5' 92 (47/2' /.73574/(13R' 8241 ? 2' ? 1.2' /073' 5 : 5H24/29 ' 8 : /' @023' /7M29' 8)' /02B' : >2' 1%' (40 ? 139' @(/O' 41 ? H (4(/) ' 0(5' .2H)' 7 ? 15/' 7 ? 1 : 3/29' /1' 73' 79 ? (55(13' 1%' /02' %74/ ' /' @75' 31/1.(1 : 5 ' 02' 57(9 ' /07/' /02' (3 ;' 079' .2423/)' 0131 : .29' 0(?' @(/O' 7' 413%2.2342 ' 739 ' 75' 73' 02.29(/7.)' 41 : 352 1.' 1%' /02' .1@3 ' 02' 079' /02' H.(Q(2 ; 2' 1%' 79Q(5(3 ;' 0(5' 7G25/) ' N' ' #/#)1' 02' 79929 ' N ;(Q2' ?)' 79Q(42 ' KD07/' (/' @75' ' 507 ' 31/' 31@' 924 7.2X' (/' (5' 19 ; 29' (3' 0(5' 7G25/)=5' 8.275/ ' : /' /01 : ; 0' ' @(' 31/' 924 7.2' @07/' ?)' 79Q(42' /1' ?)' 1Q2.2(; 3' @75 ' ' @(' /2 ')1 : .' 1.950(H5' 32 ; 7/(Q2)' @07/' (/' @75' 31/ ' /' @75' 31/' %.(239)' /1' /02' H.(34(H 2' 739' 18G24/' 1%' /0(5' (O%' 24' !$" 02' (' @75' %(37)' /0.1@3' 1 : /' 1%' /02' 1 : 52' 1%' 1.95' 8)' 7' ? 7G1.(/)' 1%' 3(32/)R%(Q2' Q1/25' 7 ; 7(35/' 52Q23/)R5(M ' 02' - .(342' 1%' D 7 25' 079' Q1/29' (3' %7Q1 : .' 1%' /02' (3(5/.)' 13' /02' 524139' .279(3 ;' 1%' /02' (' 8 : /' @75' 78523/' %.1 ? P' /02' 1 : 52' 7/' /02' %(37 ' (Q(5(13

02' (3 ;=5' 4139 : 4/' 13' /0(5' 14475(13 ' (3' 4787 (3 ;' 7 ; 7(35/' 0(5' 1@3' (3(5/2.5 ' 075' 8223' %(B2I : 23/)' (? H : ; 329 ' 31.' 473' (/' 82' 923(29' /07/' /02' 92%27/' 1%' /02' 1831M(1 : 5' ? 275 : .2' @75' 2%%24/29' 8)' ? 2735' @O(40' 31' /. : 2' %.(239' 1%' /02' 135/(/ : /(13' 41 : 9' /01.1 : ; 0)' 7HH.1Q2 ' : /' /02' (3 ;' 079' : 3I : 25/(1378)' .242(Q29' ; .27/' H.1Q147/(13 ' N' %' (/' 82' 2Q2.' 2M4 : 578 2' (3' 7' (3 ;' 1%' 3 ; 739 O' @.(/25' 1.9' 07342 1.' 7 ? H82 ' N' /1' 4787 ' 7 ; 7(35/' 0(5' (3(5/2.5 ' 21. ; 2' /02' 0(.9' ? 7)' @2 ' 82' 92%23929' %1.' /02' 41 : .52' 02' 31@' /11>X' %1.' /02)' 079' 8223' %1.429' : H13' 0(?' 8)' 7' %74R

/(1:5' (:/. ;:W' h:9' H:8(4' 1H(3(13' @75' 924(929)' (3' 8(5' %7Q1:. T±(0 1.21Q2.' (/' 075' 8223' 7.;H29' /07/' 1M' 739' 0(5' %.(2395' 079''52/' /02' (3;' /02' 2M7?H 2' 1%'(3%.(3;(3;'/02' 473135' 1%' /02' 135/(/:/(13 8)' 923)(3;' 0(?P' (3' /02' %(.5/X' H h4i' 0(5' :391:8/29' .(;0/' 1%' 40115(3;' 0(5' 1@3' (.5/' (3(5/2.X' h39' 524139)' 8)' /02R' :392.0739' ?7332.X(3' @0(40' R/02)' 079' 7//2H(H/29' /1' 9(?(3(50' /02' >(3;)' 7:/01.(/)' 8)' ?2735' 1%' /02' H.1Q(5(135' 1%' /02' 39(7' (' .:2' (/' (5' /07/' /02' (3;' 079' (3/.19:429' 7' 973;2.1:5' H.242923/' 8)' 1HH15(3;' /02' (3% :2342' 1%' /02' .1P[(' /1' /02' @(5025' 739' Q1/25' 1%' 7' ?7G1.(/)' 1%' /02' .2H.2523/7/(Q25' 1%' /02' H21H 2' 75' 2MH.25529' 8)' /02' .2423/' (Q(5(13' 13' /02' (' (3' /02' 1:52' 1%' 1?? 135' 3' 2M/2J 3:7/(13' 01@2Q2.' 1%' /0(5' (..2;:7.' H.1429:.2' ?:5/' 82' /7>23' (3/1' 7441:3/' /02' 31/1.(1:5' %74/5' /07/' /02' 7/2' ?7G1.(/)' (3' /02' 1??135' 079' 8223' H.14:.29' 8)' 73' :337/:.7' 417 (/(13' 1%' /@1' 015/(2' %74/(135' 739' /07/' (/5' Q2.9(4/' @75' 23/(.2)' 1HH1529' /1' /02' ?1@3' @(5025' 1%' 0(5' 5:8G24/5' 02' (3;' /02.2%1.2' .251 Q29' /1' 7HH27' 75' 1M' 079' 7HH27 29' 82%1.2' 0(?' %.1?' /02' .2H.2523/7/(Q2' /1'/02' 4135/(/:23/' 819) D2' ?(;0/' 02' 07Q2' 799.25529' /1' 1M' /02' @1.95' @0(40 21.;2' /02' 24139' 079' %1.?2.)' 799.25529' /1' /02' 2 92.' -(//< N' (.')1:' 07Q2' /7:;0/' ?2' /1' 11>'%1.' /02' 52352' 1%' ?)' H21H 2' (3' 1/02.' H 7425' /073' /02' 1:52' 1%' 1??135 OT 3' /02' _?273' /(?2' /0i' (3;' 079' 8223' @7(/(3;' @(/0' ;.27/' (?H7/(2342' /02' .25:/' 1%'/02' (Q(5(13' (3' 02' 1:52 1%' 1.95' 3' /02' ?1.3(3;'7%/2.' (/' 079' /7>23' H 742 7 /01:;0' 02' @75' H.2523/' 7/' /02' :5:7' N ? 22/0' 1%' /02' .1)7' 5/7;' 01:395' 31/' 13)' @75' 0(5' ?(39' 18Q(1:5)' 9(5/.74/29' %.1?' /02' 7?:52?23/' 1%' /02' 97)' 8:/' @023' /02' 01:395' /0.2@' 1%%' 02' 413/(3:29' /1' (3;2.' 820(39' 75' (%' ?1?23/7.( )' 2MH24/(3;' /02' 7..(Q7' 1%' (?H1./73/' (3/2 (;2342' /' 23;/0' 7441.9(3;' /1' /02' 7441:3/' 1%' (.' 39.2@' 7??139' @01' @75' H.2523/' 7' 01.52?73' @75' 5223' 7HH.1740(3;' @01' 07Q(3;

.(9923 :H /1 0(? 739 H.2523/29 0(? @(/0 7 2//2. /02 (:; 27;2.) 8.1>2 1H23 /02 527 .7H(9) ; 73429 1Q2. /02 413J /23/5 1% /02 H74>2/ 739 /023 /0.1@(3; 0(5 7.?5 K@(92 1H23 2?H07/(47) 2M4 7(?29<N 073> 19 (/ (5 7 1Q2.X /02 1:52 075 /0.1@3 1:/ /02 (51 /02.2 (5 73 239 1% . 1M O F N 07Q2 027.9 /02 (3; 5H27> 1% 0(? s 1MZ O @.(/25 (. 39.2@ 7??139 /@1)27.5 7%/2.@7.95 N @(/0 /07/ (39(;37/(13 /07/ .27) 82 (2Q2 02 @1:9 .7/02. 574.(%(42 2Q2.)/0(3; /073 7 1@ 0(? /1 41?2 %1.@7.9 O % 02 2M4(/2?23/ 1% /02 97) 01@2Q2. @75 31/)2/ 7/ 73 239 02 (3; 079 01H29 7(G9 2MH24/29 /07/ (3(5/2.5 @1:9 07Q2 (??29(7/2).25(;329 /02(. 7HH1(3/?23/5 739 7441.9(3;) @023 3(;0/ 4 1529 (3 739 /02(. .25(;37/(135 %7(29 /1 7..(Q2 ?25523;2.5 @2.2 9(5H7/4029 8) 0(5 1.92.5 /1 /02 /@1 24.2/7.(25 1% /7/2 1.9 1./0 739 1M 913R Q2)(3; 0(5 41??7395 /1 /02? /1 /.735?(/ 7/ 1342 /02(. 527 5 1% 1%%(42 /1 /02 H7 742 /0.1:;0 /02(. .25H24/(Q2 392. 24.2/7.(25 / @75 132 1=4 14> (3 /02 ?1.3(3; 739 1.9 1./0 079 .2/(.29 /1 .25/ @(/0 79) 1./0 @023 /02 392. 24.2/7.) 1% /7/2 %1. /02 1?2 %%(42 (. Q73 2H273 >314>29 7/ 0(5 829407?82. 911. 739 925(.29 /1 522 0(? 13 ?15/ (?H1./73/ 8:5(3255 N 023 O 57(9 /02 9(547.929 (3(5/2. N)1: ?:5/ 522 79) 1./0 /11X O 7/ /02 57?2 /(?2 (3/(?7/(3; 0(5 92/2.?(37/(13 31/ /1 ;2/ 1:/ 1% P 829 ((Q73 2H273 07Q(3; 7441.9(3;) 8223 79?(//29 339 924 7.29 0(5 2..739 1.9 1./0 92 (Q2.29 /1 0(? /02 >2) 1% /02 4 152/ (3 @0(40 /02 527 5 1% 1%%(42 @2.2 >2H/ 739 /023 I:(2/) /:.329 .1:39 /1 P 22H 7;7(3Xe /02 57?2 /(?2 /02 1/02. (3(5/2.5 .242(Q29 /02(. 9(5?(557 8) 2//2.5 5(;329

& - @$ s

24 3R /02 (8 1@(3; 97) /02 32@ 78(32/ @(/0 -(//7/ /02

F A:7./2.) 2Q(2@ Q10 4Q H S"+
/ :4> 739 1..25H1392341 Q1 (H L#+
 D7 H1 2=5 2//2.5 Q1 Q(((H SS# 33:7 2; %1. !$"L H ++L
e 7552)=5 2(;3 1% 21.;2 L Q1 (((H +*, #

0279 1% (/ @75 %1. ?29 @(/0 /02 %: 7HH.1Q7 1% /02 (3; 07/ 97) . -2HH2. .923 7 H2.5137 %.(239 1% -(// 739 7)1:3; 87..(5/2. (>2 0(?52 % ?1Q29 (3 73 2M4(/29 1:52 1% 1??135 /07/ 7 32@ @.(/ 82 (55:29 %1. /02 81.1:;0 1% HH 28) (3 /02 .11?1% /02 (;0/ 131:.78 2 D((7?-(// @01 079 7442H/29 /02 1%%(425 1% (.5/ 1.9 1% /02 .275:.) 739 07342 1. 1% /02 M402I:2. 0:5 9(9 /0(5 .2?7.>78 2 ?73< @01? 547.42) %1./)R2(;0/ 01?B5 H.2Q(1:5) 1M 079 9231:3429 75 N7 81) :9/01:/ G:9;J ?23/ 2MH2.(2342 1. >31@ 29;2 1% /02 @1. 9 0F< P8241?2 7/ /02 7;2 1% /@23/)R%1:. -.(?2 (3(5/2. 1% 3; 7391 1 1Q2.J @02 ?(3; (/ ?7) 82 ?23/(1329 @75 /02 ?7G1.(/) 1% Q1/25 @0(40 1.9 1./0 739 1M @2.2 31/1.(1:5) 78 2 /1 7..7) 7;7(35/ 0(? 739 41352I:23/) 51 413/2?H/(8 2 7HH27.29 /1 82 0(5 4073425 1% 25/78 (50(3; 0(?52 % (3 H1@2. /07/ -2HH2. .923=5 7331:342?23/ @75 .25H13929 /1 %.1?/02 4.1@929 8234025 1% /02 17 (/(13 @(/0 7 501:/ 1% 92.(5(13 %' 2/ 13 /07/ 97) @(/0 -(// %1. (/5 40(2% 41??23429 73 9?(3(5J /.7/(13 @0(40 @75 925/(329 /1 82 132 1% /02 13;25/ (3 /02 7337 5 1% 1:. 41:3/.)

3 799(/(13 /1 -(// 75 (.5/ 1.9 1% /02 .275:.) 739 07342 1. 1% /02 M402I:2. /02 ?2?82.5 1% /02 32@ 78(32/ 4135(5/29 1% /02 7.I:(5 1% 7.?7./023 739 7. 2?H 2 75 24.2/7.(25 1% /7/2 X 1% 7. 1@2. 75 -.25(923/ 1% /02 1:34(X /02 :>2 1% :/739 75 -.(Q) 27G 7. P 1@2 75 (.5/ 1.9 1% /02 9?(.7/) 739 1.9 0:. 1@ 75 1.9 07342 1. 02 :>2 1% (40?139 31/@(/05/739(3; 0(5 %1.?2. 4 152 H1 (/(47 41332M(13 @(/0 /02 14>(3;07? D0(;5 739 /02 ;.1:395 %1. 41?H 7(3/ @0(40 02 (?7;(329 02 079 7;7(35/ /02 (3; 7442H/29 /02 1%%(42 3% 75/2. 1% /02 1.52 /01:;0 @(/01:/ 7 527/ (3 /02 78(32/ P (U b

02.2 (5 H2.07H5 31 37..7/(Q2 (3 8(1;.7H0(47 (/2.7/:.2 ?1.2 (3/2.25/(3; /073 /07/ 1% /09 ;7 73/ H2.52Q2M?; 739

F D.7M7 =5 (5/ 2?1(.5 Q1 (((H #*L
] 7. /7301H2=5 (%2 1% -(// Q1 (H !V#

5:44255%:‘ 5/.:;; 2‘ 7;7(35/‘ 7 ?15/‘ (35:H2.78 2‘ 9(%%(4: /(25 B‘ @0(40‘ H.242929‘ /02‘ .(52‘ 1%‘ /02‘)1:3;2.‘ -(//‘ /1‘ H1@2.‘ %‘ 73)/0(3;‘ 41: 9‘ 799‘ /1‘ /02‘ (3/2.25/‘ 1%‘ /07/‘ 5/.:;; 2‘B @2B‘ ?:5/‘ 527.40‘ %1.‘ (/‘ (3‘ /02‘ 5/1.)‘ 1%‘ 8(5‘ H2.5137‘ .(Q7 .)‘ @(/0‘ 1MB‘ 739‘ 7 51‘ (3‘ /0152B‘ ?7.>29‘ 9(%%2.23425‘ (3‘ /02(.‘ 52Q2.7‘ 407.74/2.5‘ 739‘ 4139:4/‘ @0(40‘ 29‘ /1‘ /02‘ 132‘ 740(2Q(3;‘ H1@2.‘7 ?15/‘ (3‘ 81)0119‘ 739‘ /1‘ /02‘ 1/02.‘ 82(3;‘ 2M4 :929‘ %.1?‘ (/‘ 327.)‘ 7 ‘ 0(5‘ (%2‘ 5‘ .2;7.95‘ 1M<(%‘ H1@2.%:‘ 7.(5/14.7/(4‘ 41332M(13<(%‘ 8.((73/‘ 2 1I:2342‘ 739‘ 79?(3(5J /.7/(Q2‘ 78((/(25‘ 1%‘ 7‘ 0(;0‘ 1.92.<(%‘ 7‘ /01.1:;0‘ >31@ 29;2‘ 1%‘ /02‘ 1:52‘ 1%‘ 1??135‘ 739‘ %(%/223‘)27.5= 2MH2.(2342‘ 1%‘ H:8 (4‘ 7%%7(.5<(%‘ (392H23923/‘ 1%‘ ;119‘ ?1.7‘ 4139:4/‘ 73‘ 7.923/‘ 1Q2‘ 1%‘ 0(5‘ 41:3/.)‘ 739‘ 7‘ /01.1:;0‘ 92/25/7/(13‘ 1%‘ /).733)<82‘ 922?29‘ I:7 (/(25‘ 1%‘ 5:%%(4(23/‘ 4135(92.7/(13‘ /1‘ G:5/(%)‘ 7‘ 5/7/25?73‘ (3‘ 75H(.(3;‘ /1‘ %(‘ /02‘ 0(;025/‘ 1%%(42‘ (3‘ /02‘ /7/2P/023‘ 079‘ 1M‘ 7‘ H.(1.‘ 739‘ 5:H2.(1.‘4 7(?‘ /1‘ /02‘ H.2J ?(2.50(H‘ /073‘ /07/‘ 1%‘ 0(5‘)1:3;2.‘ .(Q7 ‘ :/‘ (3‘ /02‘ 2)25‘ 1%‘ /02‘ (3;‘ 739‘ 1%‘ /02‘ ?7G1.(/)‘ 1%‘ /02‘ H:8 (4‘ /02‘ H:.(/)‘ 1%‘ -(//=5‘ H.(Q7/2‘ (%2‘ 41?8(329‘ R@(/0‘ /02‘ 1%/)‘ H1 (/(47‘ .24/(J /:92‘ 1%‘ @0(40‘ 02‘ 079‘ 7%%1.929‘ H.11%‘ 7?H)‘ ?792‘ 7?2395‘ %1.‘ /02‘ 9(579Q73/7;25‘ 1%‘)1:/0‘ 739‘ 7‘ 41?H7.7/(Q2)‘ 8.(2%‘ 7HH.23/(4250(H‘ (3‘ H1 (/(45‘ 3‘ .25H24/‘ /1‘ /02‘ H2.5137‘ .(Q7 .)‘ 82/@223‘ -(//‘ 739‘ 1M‘ /02.2‘ @2.2‘ ?73)‘ 4(.4:?5/73425‘ @0(40‘ (3Q25/29‘ (/‘ @(/0‘ 7‘ H24:(7.‘ (3/2.25/‘ 02(.‘ %7/02.5‘ 079‘ 8223‘ H1 (/(47‘ 73/7;13(5/5‘ 82%1.2‘ /02?‘ 740‘ 1%‘ /02?‘ @75‘ 7‘)1:3;2.‘ 513‘ 739‘ 079‘ 8223‘ /02‘ %7Q1:.(/2‘ 513‘ 1%‘ 0(5‘ %7/02.‘ 740‘ 1%‘ /0152‘ %7/02.5‘ 079‘ 31/‘ 13)‘ /7>23‘ 7‘ 922H‘ H.(92‘ (3‘ /02‘ H.2414(1:5‘ /7 23/5‘ 1%‘ 0(5‘ 1%%5H.(3;‘ 8:/‘ 079‘ 47.2(:)‘ H.2H7.29‘ 0(?‘ /1‘ 50(32‘ (3‘ /02‘ ;(=27/‘ H1 (/(47‘ 7.237‘ (3‘ @0(40‘ 02‘ 0(?52 %‘ 079‘ 8223‘ 9(5/(3;:(5029‘ 02.2‘ @2.2‘ 2Q23‘ /.7(/5‘ (3‘ /02‘ 407.74/2.5‘ 1%‘ /02‘ 5135‘ (3‘ @0(40‘ /02)‘ .252?8 29‘ 2740‘ 1/02.‘ 1/0‘ 50.73>‘ %.1?‘?1:3/(3;‘ 8)‘ ;(R1Q2 (3;‘?2735‘ /1‘ H1@2.‘X 81/0‘ @2.2‘ 4135/(/:/(137)‘ (3/.2H(9‘X 81/0‘ @2.2‘ 41?H7.7/(Q2)‘ 5H27>(3;‘ H11.‘X 81/0‘ .241(29‘ %(=1?‘ 23.(40(3;‘ /02?52 Q25‘ 8)‘ /02‘ 5H1(5‘ 1%‘ 1%%(42

02' 29:47/(13' 1%' -(//' 079' 8223' Q2.)' 9(%%2.23/)' 413J 9:4/29' %.1?' /07/' 1%' 1M' 1M' 079' '8223' 29:47/29' 7/' 7' H:8 (4' 54011 ' -(//' 079' 8223' H.(Q7/2)' 8.1:;0/' :H' 7/' 01?2' :392.' /02' (? ?29(7/2' 2)2' 1%' /02' (:5/.(1:5' 07/07?' 27.5' 7%/2.@7.95' @023' D ((7?' -(//' 079' 8241?2' -.(?2' (3(5/2.' (/' :529' /1' 82' 7' %7Q1:.(/2' /7:3/' 1%' /02' @(/5' 7/' .11>5=5' /07/' 02' 079' 8223' N/7:;0/' 8)' 0(5' 979' 13' 7' 5/11 O' (' 07/' 01?2' 01@2Q2.' 079' 8223' /02' .251./' 1%' /02' :525' 739' 1%' 7 ' /02' 91?25/(4' Q(./:25' N D023' 0(5' 1.950(H=5' 027 /0' @1:9' H2.?(/ O' @.(/25' (501H' 1? (32' N'02' 32Q2.' 5:%%2.29' 7' 97)' /1' H755' @(/01:/' ;(Q(3;' (35/.:4/(13' 1%' 51?2' 51./' /1' /02' 40(9(=23' 739_52 91?' @(/01:/' .279(3;' 7' 407H/2.' 1%' /02' (8 2' @(/0' /02? O' %' 1.9' 07/07?' @75' 31/' 13)' H.1:9' 1%' 0(5' 513=5' 78((/(25' 8:/' 079' 27.)' 9(541Q2.29' /02' 81)=5' H.2414(1:5' 7?8(/(13' @0(40' 02' ?(5529' 31' 1HH1./:3(/)' 1%' 9(54(H (3(3;' /1' @(52' 739' 318 2' 2395' 02' ;.27/' 18G24/' 1%' 0(5' (%2' @75' /1' /.7(3' :H' 0(5' 513' /1' .(Q7' 0(?' 75' 73' 1.7/1.' 739' 5/7/25?73' @(/0' @0(40' Q(2@' 02' 2341:.7;29' /02' 81)' /1' 5H27>' 13' 7' 14475(135' @(/01:/' .252.Q2X 7/' /02' 57?2' /(?2' 5H7.(3;' 31' H7(35' /1' /2740' 0(?' /1' 2MH.255' 0(5' /01:;0/5' Q9/0' /2.523255' 739' /1' .2H)' @(/0' .279(3255' 1.' /02' H?BH152' 1%' (?H.1QJ (3;' 0(5' 37/?=7)' 4 27.' 739' 922HR/1329' Q1(42' 02' 47:529' 0(?' /1' .24(/2' /02' 318 25/' H7557;25' 1%' 07>25H27.2' 739' (/13' -(//=5' %.(2395' 7%/2.' 0(5' 927/0' :529' /1' ?23/(13' /02' 92 (;0/' @(/0' @0(40' /02)' 079' 027.9' 0(?' .24(/2' 0(5' %7Q1:.(/2' H7557;2' (3' (/13' /02' ;.739' 5H2240' 1%' 2 (7' (3' -7392?1J 3(:?' (3' /02' 524139' 811>' 1%' -7.79(52' 15/G' 02' 7.' 75' 7' %:./02.' ?2735' 1%' 9(54(H (3(3;' 0(5' 513' /1' 5H27>' K@(/0' %:234)' 25H24(7)' 2341:.7;29' 4 755(47' 9.7?7/(4' .2H.2523J /7/(135' 7?13;' 0(5' 40(9.23B' 1' 0(5' %.(239' 1 (5' 02' @.(/25' 13' /02' +!5/' 1%' 4/182.' !$$+' X< N :.')1:3;' H21H 2' 7.2

F' 747:7)=5' (1;.7HO(25'H'!SV

]' 1? (32=5' (%2' 1%' -(//'Q1 '('H'V' 02' (501H' (3%1.?5':5'/07/'02'079'%.2IG(23/' 1(GH1./:3(/(25' 1%' 1852.Q(3;' .' -(//=5' 744:.7/2' >31@ 29;2' 1%' /02' (8 2' /' 7.' /7301H2=5' (%2' 1%' -(//'Q1 '('HH'$<O# 1? (32=5' (%2' 1%' -(//'Q1 '('H'L' 747:7)=5' (1;.7HO(25'H'!SV

7ó I'

% 7//2.29 739 7 7.?29 @(/0 /02 /01:;0/ 1% 2M0(8(/(3;/1 .
1 (5 /02(% H:2.(2 H1@2.5 1% /02 4232 1 9 (5 /02
7//2?H/ 8:/ RH7H7 739 .17?7 @01 31/ :392 (;0/29 .14>
/0(5R4.79 2 1% .7;29) 2M01./ /02?/1 9(5?(55 /02(.%27.5 OF
;7(3 /0i ;(=27/ 7. @.(/25 13 /02 +#/0 1% 1Q2?82.
%1 1@(3;< N 02 7.;2 7HH.187/(13 02 s 1 (5Z (5 51 ;119
/1 2MH.255 1%/02 31Q(/(7/2 1%/02 5?7 /.7;29(735 41: 9 31/
8:/ K/1:40 5235(8) 739 H1@2.%:) 73(?7/2 /02 Q7.(1:5P
H7./(25 41342.329 (3 7 H(4/:.2 9.7@3 (3 /02 5H(.(/ 1% /0235
1. 1.32 739 @0(40 D1: 9 07Q2 8223 % 7//2.(3; @02.2Q2.
7HH (29 (3 2(/02. 9 739)1:3; 7 82;/1 1%%2./02(.
:3(/29 ;.7/2%: 74>31@ 29;2?23/5 %1. 523/(?23/5 51
H7./(7 0/ 3 132 14475(13 @2 %(39 1.9 02 8:.32 7
5H24/7/1. 1% 132 1% /0252 G:Q23(2 H2.%1.?73425 N :.
)1:/0%: 75H(.W(5 /1 01325/ %7?2 0 @.(/25 1.9 07/07?/1
0(?13 /02 ++39 1% 73:7.) !$$L N 7.2 75 @(5029 /1 522
/02? 2M4255(Q2) Q7(3 1% /02 7HH 7:52 @(/0 @0(40)1:
0131:. /02? 0 % 32 1% /02 .25: /5 1% 1.9 07/07?=5
2341:.7;2?23/ 1% /0252 0(5/.(13(4 H2.%1.?73425 @75 /02
H.19:4/(13 8) /02 %:/:.2 (3(5/2. 1% 7/.7;29) (3 %(Q2 74/5
23/(/ 29 N (7:.23/(:5 (3;1% 7.(3(:? 0 /02 ?73:54.(H/
1% @0(40 (5 5/(H.252.Q29 7/ 7. /7301H2=5 B527/ 7/
02Q23(3; 1.9 747:7) 075 92%(329 (/ 75 N 879 1%
41:.52 0 8:/ 31/ @1.52 /073 /02 /.7;29(25 1% 7) 2) e
1./:37/2) /02 ;.27/ 5/7/25?73 %1:39 0(5 513 7?7H/
H:H(/ /02 3(Q2.5(/) 1% 7?8.(9;2 @02.2 02 @75
23/2.29 7/ -2?8.1>2 7 7/ /02 7;2 1% %1:./223))1:3;
-(//8247?2 7 ?192 1% (39:5/.) 739 2M2?H 7.) 4139:4/
441.9(3;/1 0(5 /:/1. (501H 1?(32 /01:;0 02 @75
4022.%: 739 2Q23 H 7)%: (3 0(5 (3/2.41?=52 @(/0 /0152
@0152 514(2/) 02 H.2%2..29 02 N 5/279() 7Q1(929 2Q2.)
5H24(25 1% ((R.2;: 7.(/) 0 G 5 73 :392.;.79:7/2 02 .2;:R

U ' .(;(37 ']' 5 # ' /' 07/07?' 1..25H1392342' Q1(' (Q' H' +(*
e (1;.7HO(25' H' !S*' 7.' /7301H2=5 (%2 1%' -(//' Q1(' (' H' V
' 1?(32=5 (%2 1%' -(//' Q1(' (' HH' $' "

7.)‘ 9(329‘(3‘/ (2‘H:8 (4‘87 ‘X32Q2.‘%7(29‘ :3 255‘H.2Q23/29‘ 8)‘(3255‘7//239(3;‘487H2‘ ?1.3(3;‘739‘2Q23(3;‘ ‘739‘13‘31‘ 5(3; 2‘14475(13‘2Q2.‘5H23/‘73‘2Q23(3;‘ 1:/‘ 1%‘/02‘ 1 2;2‘ @7 5‘ -.1878)‘31‘ :392.;.79:7/2‘(3‘/02‘ 3(Q2.5(/)‘92J Q1/29‘8(?52%‘?1.2‘4 152)‘/1‘5/:9)‘ 2‘18/7(329‘h‘H.1J %1:39‘>31@ 29;2‘1%‘/02‘734(23/‘73;:7;25‘1%‘ .2242‘739R 1?2X‘/02‘1.7/(135‘1%‘73/(I:(/)‘@2.2R‘0(5‘4135/73/‘739‘ %7Q1:./2‘.279(3;X‘ 2@/13=5‘-.(34(H(7R522?‘/1‘07Q2‘8223‘ ?1.2‘7;.2278 2‘/1‘0(?‘/073‘7‘31Q2‘1%‘ (2 9(3;=5‘X B?7/02J ?7/(45‘7.2‘57(9‘/1‘07Q2‘8223‘7 ?15/‘0(5‘H755(13 F

2.)‘9(%%2.23/‘079‘8223‘/02‘)1:/0‘739‘29:47/(13‘1% 07.25‘7?25‘1M‘b (5‘%7/02.‘1.9‘1 739‘@(//)‘739‘ 514(7‘0(?52%‘7HH27.5‘/1‘07Q2‘5H1(29‘7 ?15/‘75‘.7340‘75‘02‘ (91 (629‘0(5‘5H.(;0/)‘739‘(3/2 (;23/‘1%%5H.(3;‘ 02‘(// 2‘ (39229‘@0(40‘@2‘ ?1@‘1% 1M=5 40(90119‘(5‘7?15/‘ 23/(.2)‘92.(Q29‘%.1?‘0(5‘%7/02.=5‘2//2(B5‘ 2‘@75‘547.42)‘ ?1.2‘/073‘/0.22‘)27.5‘19‘@023‘@2‘%(39‘ 1.9‘ 1 739‘ H15/H13(3;‘51?2‘(?H1./73/‘8:5(3255‘%1.‘/02‘H:.H152B‘1% 23G1)(3;‘7‘>‘‘‘>‘9(332.‘@(/0‘0(5‘23;7;(3;‘40(9‘ 3‘ /02‘%1 1@(3;‘97)‘02‘@.(/25‘/1‘ 79)‘ 1 739‘/07/‘02‘;.1@5‘ N‘(??192.7/2)‘=%139‘O‘1%‘ 07.25‘X 739‘7;7(3‘%1:.‘)27.5‘ 7%/W.@7.95‘02‘@.(/25< 07.25‘(5‘N‘7‘(%2‘?1/(13‘739‘ ;119‘0:?1:.O‘%‘ R 1.9‘ 1 739‘(>2‘B 1.9‘ 07/07?‘ 2341:.7;29‘9.7?7/(4‘.2H.2523/7/(135‘(3‘0(5‘%7?( )‘ 3‘132

F‘ 1? (32=5‘ (%2‘1%‘-(//‘Q1(‘(‘HH‘,<!L‘ 7.‘/7301H2=5‘ (%2‘1%‘-(//‘Q1(‘(HH‘!S‘n4‘ 747:7)=5‘ (1;.7HO(25‘HH‘!SL<S

]‘ .5‘ 21.;2‘ 332‘ 2 7?)‘(3‘02.‘N‘ H1 1;)‘%1.‘02.‘ (%2 O‘.2 7/25‘/02‘%1 1@(3;‘ 732491/2‘(3‘.2%2.2342‘/1‘ 1.9‘ 1 739=5‘(39: ;2342‘1%‘0(5‘%7Q1:./2‘40(9X<N 02‘ @7 ‘7/‘/0i‘81//1?‘1%‘/02‘ 7@3‘82%1.2‘ 1 739‘ 1:52‘82(3;‘/1‘81‘/7>23‘91@3‘739‘ (.13‘H7(57925‘H:/‘:H‘(3‘(/5‘.11?‘/07/‘/02‘H75523;2.5‘13‘/02‘.179‘?(;0/‘07Q2‘7‘82//2.‘ Q(2@‘1%‘/07/B%(32‘73/(I:2‘8:(9(3;‘(/‘@75‘3242557.)‘/1‘?7>2‘:52‘1%‘;:3H1@92.‘/1‘ H.24(H(/7/1‘/02‘@1.>‘ .‘1M‘079‘H.1?(529‘ 75/2.‘ 07.25‘/07/‘02‘501:9‘82‘H.2J 523/‘@023‘/02‘2MH 15(13‘/11>‘H 742‘ :/‘%(39(3;‘/02‘@1.>?23‘079‘41?H 2/29‘/02‘ %7 ‘1%‘/(2‘@7 ‘@(/01:/‘;(Q(3;‘0(?‘31/(42‘02‘1.92.29‘(/‘/1‘82‘.28:(/X 739‘@023‘(/‘ @75‘/01.1:;0)‘42?23/29‘079‘(/‘8 1@‘:H‘7;7(3‘(3‘1.92.‘/1‘>22H‘0(5‘@1.9‘@(/0‘0(5‘ 513‘ 1‘7/‘/02‘57?2‘/(?2B.211?‘?23929‘(/‘/1‘/0152‘781:/‘0(?‘32Q2.‘13‘73)‘ 7441:3/‘/1‘82‘;:(/)‘1%‘7‘8.2740‘1%‘H.1?(52‘/1‘40(9.23‘75‘8)‘91(3;‘51‘/02)‘(35/(19‘ (3/1‘/02?‘73‘(39(%%2.2342‘@(/0‘.2;7.9‘/1‘/02‘1852.Q7342‘1%‘/02(.‘1@‘H.1?(525‘@023‘ /02)‘7..(Q29‘7/‘)27.5‘1%‘?7/:.(/)=<K& ,/‘Q1(‘((‘H‘!""

14475(13 ' (39229 ' @2' %(39' 0(?' 2MH . 255(3 ;' 73' 7HH . 20235(13' /07/'
07 . 25' (5' N' 5/7 ; 2R ? 79 0' 73' 7HH . 20235(13 ' 01@2Q2 . ' @0(40'
02' I : 7 (%(25' @(/0' /02' 41351 7/1 .)' . 2% 24/(13' /07/' N'(/' ? 7>25'
0(?' . 279' 7' ; 119' 927 0' N 07 . 25' (5' 9(=279% :)' H755(137/2 0'
132' 97)' 41 ? H 7(329' 79)' 1 739' /1' 02 .' 0 : 58739' X' N' @07/'
507 ' @2' 91' @(/0' 0(?' ¢ 0 < N 2Q2 .' ? (39' T' 0' @75' /02' . 2H)'
1% /02' 275)' %7/02 .' X' N 02' (5' 7' Q2 .)' 5235(8 2' (// 2' %2 1@'
7 .(9' @(' 27 . 3' /1' 4 : . 2' 0(? 52 % 0' 1M' 0(? 52 %' (3' 7%/2 .'
/(? 25 ' : 529' /1' . 2 7/2' /0(5' 732491/2 ' @(/0' 7' 31/' : 3(35/ . : 4/(Q2'
41 ? ? 23/' N' ' @(' 31/' 923) 0' 02' 57(9 ' N' /07/' ' @75' 7' Q2 .)'
5235(8 2' (// 2' 81)' X' 7' Q2 .)' 4 2Q2 .' (// 2' 81)' X' 739' @07/' '
027 . 9' ? 792' 73' (? H . 255(13' 13' ? 2 ' 739' @75' 1% I 52' /1' ? 2'
7%/2 . @7 . 95 0' 02' 5/7/2)' 07/07 ?' @1 : 9' 547 . 42)' 07Q2'
%1 . ; (Q23' %1 . @7 . 93255' (3R 132' 1%' 0(5' 40(9 . 23 ') 2/' 1 . 9'
1 739' 57@' (3' (/' 31' 9 . 7@874>' /1' H7 . 23/7 ' H7 . /(7 (/) ' N' '
%1 : 39' 07 . 25 0' 02' @ . (/25' (3' 132' 1%' 0(5' 2//2 . 5 ' N Q2 .)'
@2 ' Q2 .)' H2 . /' 739' Q2 .)' 7 . ; : ? 23/7/(Q2 0' /' 7' 7/2 .'
H2 . (19' 02' @ . (/25' /1' 79)' 1 739' < ' N (5' * ' 0'
' #' V 1' (
/' /02' 7 ; 2' 1% 3(32')27 . 5 ' 1M' @75' / . 735%2 . . 29' %(R1 ?' 7'
H . (Q7/2' 54011 ' 7/' D 7395@1 . /0' /1' /13 ' @0W . 2' 02' (5' 57(9' /1'
07Q2' 8223' 755(5/29' (3' 0(5' 5/ : 9(25' 8)' /02' 2Q2 . 239' - 0((H'
. 734(5 T' /02' / . 735 7/1 .' 1%' 1 . 742 ' 739' /02' %7/02 .' 1%' (.'
- 0((H' . 734(5 ' 79' 1M' 8223' / . 27/29' 7/' /13' 75' 1/02 .'
81)5' @2 . 2' / . 27/29' X' 079' 02' 8223' 2%/' /1' %(; 0/' 0(5' @7)' (3'
/02' 1 . 9(37 .)' 41 : . 52' @(/0' 0(5' / : /1 . 5' 739' 0(5' 54011 %2 1@5

U' 7 . ' : 552 =5' 2 ? 1 . (7 5' 1%' 1M ' Q1 ' (' HH ' ' #
/ ' '5 #' Q1 ' (' H ' ! ! ' 5' . 734(5' @75' 32Q2 .' 7' ? 75/2 .' 1%' /13' /(35' (5' 31/' Q2 .)'
4 27 . X' : 3 255 ' (39229 ' 02' ? 7) ' 7/' 51 ? 2' /(? 2' 1 .' 1/02 . ' 07Q2' 8223' 1M=5' H . (Q7/2'
/ : /1 .' 7/' /13 ' . 734(5 ' (/' 522 ? 5 ' @75' (3/ . 19 : 429' /1' 1 . 9' 1 739' 8)' /02'
827 : /(% : ' 739' 40733(3 ;' 74/ . 255 ' . 5 ' 2 7 ?) ' @01 ' 13' /02' 3(; 0/' 1%' /02' 5(; 37 '
%7(: . 2' 1%' /02' H12/=5' / . 7 ; 29) ' N' 135/73/(32 0' 7/' 1Q23/' 7 . 923 ' (3' ! $VS ' 47 . . (29'
0(?' 01 ? 2' @(/0' 02 .' /1' ? 22/' 1 . 9' 1 739' 7/' 5 : HH2 . ' (3' 01H25' /07/' /02' H1@2 . %: '
5/7/25 ? 73' ? (; 0/' 82' (39 : 429' /1' 2M/239' 0(5' H . 1/24/(13' /1' /7 23/' (3' 9(5/ . 255 ' 1 . 9'
1 739' ; 11937/ : . 29)' /11>' . 734(5' 8)' /02' 0739 ' = N D 2 ' 14/1 . T0' 01' 57(9 '
N' @01' >31@5' 8 : /')1 : .' 97 ? 37/(13' 75' 7' H 7) @ . (; 0/ ' ? 7)' 81' /02' ? 2735' 1%') 1 : .' H . 1J
? 1/(13' 75' 7' (Q(32 0' . 734(5 /11>' /02' 0(3/' 739' 7//74029' 0(? 52 %' /1' 0(5' 32@' H7/ . 13 '
M& ,' ' ' 0 ' ' 7 ' & ' 6 4 , ' Q1 ' ((' HH ' ! "* < + ' ! "$

? : 40' ? (540(2% ' 75' .2 ; 7 . 95' 0(5' % : / : . 2' 4139 : 4/' 739' 5 : 44255' (3'
(%2 ' ? (; 0/' Q2 .)' H155(8)' 07Q2' 8223' H . 2Q23/29 ' : /' 0(5'
%139' 739' (39 : ; 23/' %7/02 . ' 413/(3 : 29' /1' 5H1(' 0(?' 75' 81)5' (3'
H : 8 (4' 54011 5' 7 . 2' 52 91 ?' 5H1(29 ' . 2 I : 23/)' . Q2' %(39' 1 . 9'
1 739' (3/2 . . : H/(3 ;' 0(5' 513=5' 5/ : 9(25' 8)' 5239(3 ;' %1 . ' 0(?'
%(R1 ?' /13 ' 739' 47( )(3 ;' 0(?' /1' Q7 . (1 : 5' H 7425' 1%' 7 ? : 52J
? 23/ ' N' D 0232Q2 . 0' 02' @ . (/25' /1' 79)' 1 739 ' N') 1 : '
/0(3>' 13913' 1 . ' 1 739' 1 : 52' 82//2 . ' %1 . ' 07 . 25' /073'
/13 ' 02' 755 : . 29' ' 507 ' (>2' (/ 0' 0 : 5 ' @2' %(39' 0(?' 7'
5H24/7/1 . ' 75' 7' 81) ' 7/' /02' 41 . 137/(13' 1%' 21 . ; 2' /02' 0(. 9 '
739' 7' (5/232 . ' /1' /02' 9287/25' (3' /02' 1 : 52' 1%' 1 ? ? 135' 13'
D (>25=5' %7 ? 1 : 5' (82 ' 1 ' SV' 1%' /02' N' 1 . /0' . (/13 0' 3'
/02' @(//)' 739' %750(1378 2' 514(2/)' 1%' 1 739' 1 : 52' 02'
522 ? 5' 7/' 7' Q2 .)' 27 .)' 7 ; 2' /1' 07Q2' 8223' . 2 ; 7 . 929' 75' 7'
H . 19(;) ' N' 1 ? ? 239' ? 2' /1') 1 : . ' 513' 07(25' %1 . ' 0(5' 57 ; 7J
4(/)' 0 < 7 . 2' /02' @1 . 95' 1%' 7' ; . 7Q2' 5/7/25 ? 73 ' /02' : >2' 1%'
2Q13500 2 ' (3' 132' 1%' 0(5' 2//2 . 5' /1' 1 . 9' 1 739 ' 02'
% : / : . 2' . (Q7 ' 1%' - (//' @75' %1 : . /223')27 . 5' 1%' 7 ; 2' @023' 0(5'
%7/02 . ' 47 . . (29' 0(?' /1' - 7 . (5' 739' 7%/2 . @7 . 95' /1' H7 ' 7/'
@0(40' 7//2 . ' H 742' 02' (5' 57(9' /1' 07Q2' 5 : HH (29' 0(?' @(/0'
? 132)' /1' /0 . 1@' 7@7)' 7/' /02' ; 7 ? (3 ; R/78 2 ' /0 : 5' 2341 : . 7 ; (3 ;'
(3' 0(?' /07/' : 3%1 . / : 37/2' H755(13' %1 . ' 0(; 0' H 7)' @0(40' 7%/2 . J
@7 . 95' H . 1Q29' /02' 8732' 1%' 0(5' 2M(5/2342 ' 3' /0(5' 14475(13' @2'
%(39' 0(?' 78523/' %1 : . ' ? 13/05' %(F1 ?' /13 ' @0(/02 . ' 02' . 2/ : . 329'
: 392 . ' 51 ? 2@07/' (; 31 ? (3(1 : 5' 4(. 4 : ? 5/73425 ' N' 2' @75'
I : (6629 0' @2' 7 . 2' /1 9 ' N' 8)' /02' 81) 5X . 7 (29' 8)' . ' 7 . 37 . 9'
/02' 0279R ? 75/2 . ' 739' 74/ : 7)' % 1 ; ; 29' @0(2' % . 250' % . 1 ?' /02'
8 . ((73/' 514(2/)' 02' 079' G : 5/' I : (//29 0' F
/' /02' 7 ; 2' 1%' %(%/223 ' 1M' @75' 23/2 . 29' 7/' 2 . /%1 . 9' 1 J
2 ; 2 ' M%1 . 9 ' @02 . 2' 02' . 2 ? 7(329' 781 : /' 7')27 . ' 739' 7' 07 % '
/' /02' 7 ; 2' 1%' 3(32/223 ' 02' @75' . 2/ : . 329' %1 . ' (90 : . 5/' /1'
/02' - 7 . (7 ? 23/' @0(40' 7552 ? 8 29' 13' /02' ! * /0' 1%' 7)' ! $#" '
: 40' 1%' 0(5' /(? 2' 9 : . (3 ;' /02')27 . 5' ! $## ' 739' ! $#"' @75

5H23/ (3 .7342 739 /7) (3 81/0 1% @0(40 41:3/.(25 0(5 078(/5 1% 9(55(H7/(13 739 2M/.7Q7;7342 @2.2 5:40 75 @1: 9 H.1878) 07Q2 8.1>23 /02 027./ 1% 73) 1/02.' %7/02.' 8:/ 1.9 1 739 /- 7.(5 0(5 15525 7/ H 7) @2.2 231.?1:5 X 7/ 7H 25 02 (5 57(9 /1 07Q2 413/.74/29 928/5 /1 /02 7?1:3/ 1% 5(M/223 /01:5739 H1:395 3 !$$* 7/ /02 7;2 1% /@23/)R 132 @2 %(39 0(?(?2.529 (3 /02 0(;0 H 7) @0(40 @75 /023 /02 %750(13 7/ /02 13913 :85 X H 7) 51 0(;0 /07/ 1.9 /7Q1.97 2 F 7)1:/0 :392.' 7;2 (5 ?23/(1329 75 @(33(3;' 2 2Q23 /01:5739 H1:395 8) 7 5(3; 2 0739 7/ 0767.9 N (5 41:5(3 07. 25 1M O @.(/25 D 7 H1 2 N 50(325 2I:7)/02.2 739 (3 /02 1:52 1% 1?? 135 2 @75 /@23/)R132)25/2.P 97) 52=3(;0/ 739 (5 7 .279) 132 1% 1:.' 825/ 5H27>2.5 O :.(3;' /02)27.' !$$+ @2 9(541Q2.' 413/(3:29 EQ(923425 1% 1M=5 .24> 255 2M/.7Q7;7342 739 9(55(H7/(13 N 1.9 1 J 739 O @.(/25 D 7 H1 2 (3 28.:7.) 075 H7(9 781Q2 /@23/) /01:5739 H1:395 %1.' 0(5 /@1 5135 O % (5 %7/02.=5 (82J .7 (/) 01@2Q2.' 522?5 /1 07Q2 9.7@3 %1./0 32(/02.' ;.7/(/:92 2 Y ''' 31.' 7?239?23/ ??29(7/2) 7%/2.@7.95 (8813 /02 0(5J /1.(73 9254.(825 0(?75 0(?52 % %1.' 7 51 2?3 9(5J 4:55(13 (3 /02 1:52 1% 1??135 8) 5H239(3;' /@23/)R/@1 H.2Q(1:5 01:.5 7/ /02 0767.9 /78 2 N (592Q1/(135 O @.(/25 (8813 N415/ 0(?13) 781:/ %(Q2 0:39.29 H2.' 01:.< (3 7 2 2Q23 /01:5739 H1:395 O \ 3 /02 ,/0 1% H.(D 7 H1 2 027.9 0(?5H27> (3 /02 1:52 1% 1??135 739 027.9 0(? @(/0 79?(.7/(13 N 1M=5 78((/(25 O 02 @.(/25 /1 (.' 1.742 733 N 7.2 7?76(3;' 7/ 51 Q2.) 27.) 7 H2.(19 25H24(7) :392.' /02 4(.4:?5/73425 1% 5:40 7 9(551 :/2 (%2 2 @75 G:5/ 7..(Q29 %.1?' 2@?7.>2/ 079 57/ :H 9.(3>(3;' 7 3(;0/ 739 079 31/ 8223 (3 829 1@ 5:40 /7 23/5 ?7>2 132 P 7:;0 7/ :)=5 .:25 %1.' 73 1.7/1.' (5 781:.29 1.7/(135

F 23.) 01?75 /.73;@7)5 7%/2.@7.95 524139 7.' 1% 1025/1.' 9(29 # 2HJ /2?82.' !"*+

!5 D7H1 2=5 2//2.5 Q1 ' Q' H' ++#' 75/ 1:.37 5 Q1 ' (' H' $

\ (8813=5 (52' D1.>5' H' +SS' 9' !"L$

7.2' H:2.(2' (3' 41?H7.(513' @(/0' /0(5' 81)=5' ?73)' .27513'Ø ≠
;7(3' 13' /02' ++39' 1%' :32' D 7 H1 2' @.(/25' /1' 13@7) <
N' ' 91' 31/' /0(3>' /07/' ' 473' %(39' (3' -7/(3' 1.' - 7/1' 37) ' 31.'
(3' .(5/1/ 2' /01:;0' 02' @.1/2' 781:/' 2Q2.)/0(3;' 7' H7.7 2'
4752' /1' 07. 25' 1M' 02.2' 7.2' 79Q2./(529' /1' 82' 51 9' ?1.2'
733:(/(25' 1%' 0(5' 739' 0(5' 514(2/)X' /1' /02' 7?1:3/' 1%' %(Q2'
0:39.29' /01:5739' H1:395 7')27.' '@1392.'@07/' 02' @(' 91'
32M/' @023' 02' 075' 51 9' /02' 25/7/25' 1%' 7' 0(5' %(F(2395 O %'
(5' %(R(239' 1.9' 7.(5 2' 7 132' 8247?2' 524:.(/)' %1.' 0(?'
%1.' 82/@223' %(%/223' 739' 5(M/223' /01:5739' H1:395 P' N 1.9'
1 739' (5' 9)(3;XO' @.(/25' D 7 H1 2' 13' /02'+"/0' 1%' 1Q2?82.'
!$$L' N(5' H7)(3;' 07. 25' 1M=5' 928/5' 1.' ?15/' 1%' /02?'
%1.' /02)' 7?1:3/' /1' 132' 0:39.29' 739' /0(./)' /01:5739'
H1:395 O' e' ;7(3' D 7 H1 2' @.(/25' 1((' /02'+!5/' 1%' /02' %1 J
1@(3;' ?13/0< N' 07. 25' 1M< /02' /Y Y2' /02' 7.402/)H2' 1%'
/02' 423/:.)< (5' G:5/' 2 #' 8)' 0(5' %7/02.' %(=1?' H7./' 1%' 0(5'
928/5' 1.9' 1 739' 075' H7(9' 73' 0:39.29' /01:5739'
H1:395' ?1.2' %1.' 0(?' 739' 31/' 781Q2' 07 %' 75' ?:40' .2?7(35'
:3H7(9 O' \\

N' :/' 07.>' ' /02' Q1(42' 1%' 87// 2' 501:/5' %.1?' %7.X
02' 2@5' 739' 747.13(5' 7.2' 7/' @7.' X
02' 2@5' H.2Q7(' 739' /0:392.(3;' %.1?' /02' 5/14>5
02)' 52(62' /02)' 8(39' /02)' 4(.4:?2(52' 07.25' 1M=
< P 'N' I)' C ' '+ ' - 4' 45 #/

/(' 7?(95/' 7' 0(5' 9(%%(4:/(25' 1M=5' 2I:73(?(/)' 739' 5@22/J
3255' 1%' /23(H2.' .7.2)' %1.511>' 0(?' (5' 73/2R.11?' (3' @0(40'
02' .242(Q29' /02' 2@5' 02' :529' /1' 5/) 2' 0(5' N 2.:57 2?'
07?82. O' %' 0(5' 2 92.' 8.1/02.' /2H023' 7%/2.@7.95' 1.9'
1 739' @01' @75' :3:5:7)' %7/' 02' .2?7.>29' /07/' 02' 079'
?:40' /02' 79Q73/7;2' 1%' 0(?' %1.' 02' 41:9' 7%%1.9' /1' ;(Q2' /02'
0) 14>5' H1:395' 1%' % 250' %1.' /02(.';:(3275 P' 3' 132' 1447J
5(13' 7%/2.' 07Q(3;' 15/' 73' 7 ?15/' .:(31:5' 7?1:3/' 1%' ?132)

' D 7 H1 2=5' 2//2.5' Q1 ' Q ' H ' L"!' %' '5 #' H' L,S
2 @)3=5' 1..25H BQ1 ' (((' H' #V
e' D 7 H1 2=5' 2//2.5' Q1 ' Q(' H ' +!' \\' '5 #' H' LL
' D7H12=5' 75/' 1:3:95' &7 (' H' $

U7/ H 7) 1H07? 27:4 2.> 47 29 :H13 0(? (3 /02 41:.52 1% /02K%1 1@(3;? 1.3(3; 2MH24/(3; /1 %(39 0(? (3 /02 922H25/ 5/7/2 1% 925H139234) 3 /02 413/.7.) 02 %1:39 0(? 41?J H 7423/) .279(3; 2.191/:5 (3 /02 1.(;(37 .22> 3 27:4 2.> 2MH.255(3; 51?2 5:.H.(52 7 %(39(3; 0(? /0:5 2?H 1)29 < N D07/ 0 57(9 1M N @1: 9)1: 07Q2 7 ?73 91 @023 02 075 15/ 0(5 75/ 50((3;c 0

0:5 9(9 /0(5 2M/.71.9(37.) ?73 /0.1@ 7@7) 0(5 H.(42 255 /(?2 739 ?(52?H 1) 0(5 5H 239(9 78((/(25 7Q(3; @75/29 0(5 1@3 ?2735 739 .:(329 07 % 0(5 %((2:95 @2 %(39 0(? %(B2I:23/) (3 @73/ 1% 7 ;:(327 /1 5:HH) /02 2M(;234(25 1% /02 01:. Q23 /02 @7(/2.5 7/ /02 4 :85 7.2 57(9 /1 07Q2 8241?2 0(5 4.29(/1.5 %1. (35(;3(%(473/ 5:?5 739 /02 407(.J ?23 (3 / 7?25=5 /.22/ /1 07Q2 8223 (3 /02 078(/ 1% (?J H1./:3(3;0(?%1./02H7) ?23/ 1%/02(.H7 /.) %7.25 N D ((2 0 @.(/25 D7 H1 2 N /02.2 (5 7 8.1>2. 1. 7 ;7?25/2. :H13 /02 %742 1% /02 27./0 07. 25 @(31/ 82 1:/ 1% 928/0F (5 %(.(2395 13 132 14475(13 .7(529 7 7.;2 5:854.(H/(13 %1. 0(? 7?13;/02?52 Q25 @023 132 1% /02?07HH23(3;/1 1852.Q2 /07/ (/ @1: 9 .2I:(.2 51?2 92 (474) (3 (3/.19:4(3; /02 5:8J G24/ /1 0(? 739 @1392.(3;01@ 02 @1: 9 /7>2 (/< N 7>2 (/ 0 (3/2..:H/29 2 @)3 N @0) [" 0 /1 82 5:.2 0 2/ 31/@(/05/739(3; /02 9(%%(4: /(25 (3 @0(40 02 079 (3Q1 Q29 ?15/ 1% 0(5 %.(2395 75 @2 75 0(?52 % /0152 Q2.) %.(2395 413/(3:29 7?15/ /1 @1.50(H 0(? 02 8.((73/ .2H:J /7/(13 @0(40 02 079 740(2Q29 %1. 0(?52 %X 0(5 92 (;0/%: H1@2.5 1% 413Q2.57/(13X /02 7?(78 2 925(.2 @0(40 02 2Q2. 501@29 (3 514(2/) /1 8.(3; 1:/ /02 H1@2.5 1% /02 9(%%(J 923/X /02 5(?H (4(/) 1% 0(5 ?7332.5X /02 7%%24/(137/2 %.73>3255 1% 0(5 799.255X 0(5 5/.13; 52352 1% G:5/(42RX 0(5 7?15/ %2?(3(32 /2392.3255 1% 027./X 0(5 5:H2.(1.(/) /1 7 /02 1@ 9(./) Q(425 1% 0:?73 37/:.2 5:40 75 ?7(42 7%%24/7/(13 H7.792 91;?7/(5? 739 9242(/ 7/1329

(3 /02 H7./(7 1H(3(13 1% ((5 %.(2395 %1. 7 ? : /(/ : 92 1% %1 (25 739 2..1.5 N 1 82 5 : .2 0 57(9 : .>2 1% R8(? N 02 (5 7 ?73 ?792 /1 82 1Q29 0 N / @1 : 9 (39229 82 Q2.) 2M/.71.9(37.) 0 @.(/25 0(5 54011 %2 1@ 739 %.(239 1.9 7. (5 2 N (% 0(5 027./ 739 (?92.5/739(:; 079 31/ 529 : 429 2Q2.) 132 @01 >32@ 0(? (3/1 73 :3G:5/(%(78 2 H7./(7 (/) 0 N 82 (2Q2 0 @.(/25 /02 57 ? 2 4135/73/ %.(239 N /02.2 32Q2. @75 7 H2.513) 2/ 4.27/29 @01 079 /02 %74 : /) 1% .27513(3; (>2 0(? (5 G:9; ?23/5 7.2 32Q2. @.13; (5 924(5(13 (5 %1. ?29 I : (4>2. /073 73) ? 73=5 2Q2. 413J Q2.529 @(/0 739 02 32Q2. 522 ?5 /1 ?(5/7>2 8 : / (3 0(5 1@3 7%%7((=5 0 F 441.9(3; /1 1.9 7. (5 2 ? : 40 1% 1M=5 9(55(H7/(13 @75 47 : 529 8) 0(5 925(.2 /1 8 : .) (3 /2 ? H1.7.) 18 (Q(13 /02 ? 2 73401) .241 24/(135 1% 15/ /(? 2 1% 5I : 73J 92.29 ? 2735 739 @75/29 /7 23/5

1/ /07/ @2 7.2 /1 4134 : 92 /07/ 1M @75 7/ 7 /(? 25 /02 ? 2.2 ? 73 1% H 275 : .2 31. /07/ 02 @75 (3928/29 /1 37/ : .2 13) : 3755(5/29 8) 9(0;2342 739 5/ : 9) %1. 0(5 8.(73/ 5 : 44255 75 73 1.7/1. 739 7 5/7/25 ? 73 1 5 : 40 H.19(;) 2Q2. 2M(5/29 (5 %7/02. 079 27.) (? H.25529 13 0(5 ? (39 /02 Q7 : 2 1% >31@ 29;2 739 /02 324255(/) 1% 7HH (J 47/(13 2 (5 57(9 /1 07Q2 8223 7 9((;23/ 5401 7. @0(2 7/ /13 @02.2 02 7(9 /02 %1 : 397/(13 1% /07/ /75/2 %1. 739 /01.1 : ;0 >31@ 29;2 1% /02 (/2.7/ : .2 1% .2242 739 1 ? 2 @0(40 02 .2/7(329 /1 /02 4 152 1% 0(5 2M(5/2342 01 : ;0 /02 5/ : 9) 1% /02 .2340 73;:7;2 @75 7 ? 15/ 23/(.2) .2H : 9(7/29 7/ /13 @2 %(39 0(? 7/ /02 7;2 1% %(%/223 41 ? H15(3;Q2.525 (3 .2340 N 2@ 3; (50 ? 23 0 @.(/25 0(5 32H02@ 1.9 1 739 N 07Q2 2Q2. 5H1>23 1. @.(//23 /07/ 73;:7;2 @(/0 ?1.2 47.2 739 41..24/3255 0 D 0(2 5/(7 81) 02 079 /7>23 79Q73/7;2 1% 0(5 Q(5(/(3; /7) /1 ?7>2 0(?52 % ?75/2. 1% /02 /7 (73 73;:7;2 1% @0(40 02 /2 5 :5 /07/ 02 N ;.2@ (? ?192.7/2) %139 H7./(4: 7.)

1%' /02' H12/.) 0' 02' 2//2.5' @0(40' 02' 799.25529' /1' 0(5' %.(239' (/6H7/.(4>' (3' 0(5')1:/0' @2.2' @.(//23' 40(2%)' (3' /7 (73 F' -(//' 13' /02' 413/.7.)' @75' 74I:7(3/29' @(/0' 31' ?192.3' 73;:7;2' 8:/' .2340' 1%' @0(40' 02' (5' 57(9' /1' 07Q2' 079' 13)' 7' Q2.)' (?H2.%24/' >31@ 29;2 %' /' M%1.9' 75' 1M' 0(?52 %' /2 5' :5' 02' N.279' 7' ;(=27/' 927 XO' (39229' 9:.(3;' 7' H7./' 1%' /02' /(?2' 02' .2?7(329' 7/' /02' 3(Q2.5(/)' 02' 7HH (29' 0(?52 %' 51' 4 152)' /1' 0(5' 5/:9(25' /07/' 0(5' /:/1.' .' 2@41?2' 7%/2.@7.95' -.(?7/2' 1%' .2 739' @75' 18 (;29' /1' 78.(9;2' 0(5' 781:.5' N HH (47/(13' (>2')1:.5 0' 02' @.(/25' /1' 0(?' N'.2I:(.25' 51?2' (3/2.?(55(13' 739')1:' 7.2' /02' 13)' H2.513' @(/0' @01?' ' 07Q2' 2Q2.' 079' 41332M(13' /1' @01?' ' 41:9' 57)' /0(5 0' 1@7.95' /02' 4 152' 1%' 0(5' (%2' 1M' :529' /1' 47..)' 781:/' 0(5' 1 9' /:/1.=5' 2//2.' (3' 0(5' H14>2/R' 811>' X 9(5H 7)(3;' (/' (3' H 7)%:' /.(:?HO' /1' 0(5' %.(2395' @ (23' /02)' /7M29' 0:3' @(/0' (9 23255' 1.' @75/2' 1%' /(?2 \' (>2' -(//' 02' @75' N'Q2.)' %139' 1%' ?7/02?7/(45 0' 739' (3' 7%/2.' (%2' :529' /1' .2;.2/' /07/' 02' 079' 31/' ?1.2' 755(9:1:5)' ?792' /02?' 0(5' 5/:9)' 1.9' 1 739' (>2' 1.9' 07/07?' 079' /.7(329' :H' 0(5' %7Q1:.(/2' 513' /1' %(;:.2' 75' 7' H:8 (4' 5H27>2.' 739' (/' @75' 7HH7.23/)' @(/0' /0(5' Q(2@' /07/' 02' 2341:.7;29' H.(Q7/2' /027/.(47' .2H.2523/7/(135' 7/' 1 739' 1:52' 3' /.7;29)' 1M' (5' 57(9' /1' 07Q2' 8223' 5:44255%:' 8:/' (3' 41?29)' @75' 41?H2 29' /1')(2 9' /02' H7 ?' /1' 0(5' %.(239' (/6H7/.(4>'e' N'

F' 7.' :552 =5' 2?1.(7 5' 1%' 1M' Q1 ' (' HH' !"' ' +,' S!'
/' 747:7)=5' (1;.7HO(25' H' !SS'
' 7.' :552 =5' 2?1.(7 5' 1%' 1M' Q1 ' (' H' ++
e' 2?1.(7 5' 1%' 1M' Q1 ' (' H' L!' D 0(2' 5/(' 7/' /13' 1M=5' %:/:.2' 5:44255' 75' 73' 1?/1.' @75' H.1;315/(47/29' 8)' 0(5' %.(2395' X<

K' 1@' @(' ?)' 1M' 7 132' /0)' 5/.23;/0' 1%' H7./5'
07>2' /02' 1:9' 237/2' 73(?7/2' /02' 027./5'
%%27.%:' 5/7/25?231' @0(2' 7.1:39')1:' 5/739'
1/0' -22.5' 739' 1?? 135' (5/23(3;')1:.' 41?? 739' T
D 0(2' :)=5' 52352' (/5' @2(;0/' /1')1:' 7%%1.95
(5' 32.Q1:5' 5@22/3255' 507 ' 791.3')1:.' @1.95
D 07/' H.7(52' /1' -(//' /1' 1@35 (239' 2=2.' @75' 9:2
3' %:/:.2' /(?25' ?)' 1M' 507 ' @7(/' 13')1:0

0 ' Y# N'Y ' ' '+) " ' 'C #/

/ ((3> 0' @.(/25' /02' 7/2' .' 23' N' ' 07Q2' 027.9' 0(.' 1M' 57)' /07/' /02.2' @75' 31' H 7)' 2M/73/' @.(//23' 739' H:8J (5029' 82%1.2' /02' 25/1.7/(13' /07/' 02' 079' 31/' .179' 7//23J /(Q2) 0'=

/' @75' 42./7(3)' ?:40' /1' 1M=5' 4.29(/' /07/' 7?(95/' 7 ' 0(5' 2M425525' 0(5' 1Q2' 1%' (/2.7/:.2' .2?7(329' 75/(3;' 739' H:.2' Q2.' 739' 1Q2.' 7;7(3' 02' ?(;0/' 07Q2' 2M4 7(?29' (3' /02' %(32' @1.95' 1%' 1.9' 1 (3;8.1>2< N 02' 1Q2' 1%' 5/:9)' 739' 7' 925(.2' 1%' >31@ 29;2' ' 07Q2' %2 /' 7 ' ?)' (%2X 8:/' ?)' ;23(:5' :3 (>2' /02' 92?13' 1%' 14.7/25' @0(5H2.29' 51' 51%/)' /07/' Q2.)' 1%/23' ' 027.9' 0(?' 31/' (3' /02' 0:..)' 1%' /0152' H755(135' @(/0' @0(40' ' @75' /.735H1./29' 1?2' 47 ?2.' 01:.5' /02.2' @2.2X (3' /0152' ' 027.>2329' /1' 0(?' 2% 24/(13' 079' 1%/23' (/5' /:.3' 739' /02' 1Q2' 1%' 5/:9)' 739' /02' 925(.2' 1%' >31@ 29;2' 07Q2' 32Q2.' I:(/2' 787391329' ?2 OF\' (55(H7/29' 75' @75' 1M=5' (%2' /02.2' ?:5/' 07Q2R8223' ?73)' (3/2.Q7 5' @0(40' 02' 92Q1/29' /1' 5/:9)' 1' /02' 239' 1%' 0(5' 97)5' 0/2.7/:.2' @75' 0(5' H755(13' D07/2Q2.' /75>' 02':392./11>' 02' 7(?29' 7/' 2M42 2342' 2' 1342' 5H1>2' 1%' 0(?52 %' 91:8/ 255' /1' /02' 5:.H.(52' 1%' 0(5' 027.2.5' 75' N' 7' Q2.)' H7(35R/7>(3;' ?73 0' 02' %74/' (5' 7' .2?7.>78 2' 132' /07/' 7%/2.' 02' 079' 8241?2' 24.2/7.)' 1%' /7/2' (3' !$"+' 02' H 7429' 0(?52 %' :392.' 7' @.(/(3;R?75/2.' 739' 5:8?(//29' /1' @.(/2' 1:/' 41H(25' (>2' 7' 54011 R81) GX

3' /02' 7:/:?3' 1%' !$$S' @023' 1M' @75' (3' 0(5' /@23/)R' 5(M/0')27.' @2' %(39' 0(?' /2?H1.7.( )' .2 (2Q29' %.1?' 0(5' H24:3(7.)' 2?87..755?23/5' 8)' /02' 927/0' 1%' 0(5' ?1/02.' 79)' 1 7((9 e' .1?' /0(5' H2.(19' 02' 522?5' /1' 07Q2

F' 7.' :552 B5' 2?1.(7 5' 1%' + A&' Q1 ' (' H' +L

/' 557)' 13' /02' .:2' 52' 1%' 2/(.2?23/' 739' /:9)'' 6 5 *' ' 1.%2' Q1 ' (('

33 ' +--45

(' 2?1.(7 5' 1%' 1M' Q1 ' (' H' L*

e' 1.742' D7 ZY1 2' .2%2..(3;'/1' /(2' 947/(' 1%' 79)' 1 739' @.(/25'/1' 79)' 551.)' 13' /02' L*/0' 1%' :)' !$$S' X< N' 07. 25' 1M' @(' 82' 23/(.2)' 4 27.29' X 07Q2' 0(5' H 742' 739' `+**' 7')27.' 739' `!* ***' X 7' H.2//)' 82;(33(3;'%1.'7')1:3;2.'8.1/02.' %1.' :(:5' B7(57.' 31/' 7' 8.27>%75/0' (.7%X@C45' 0 ' Q1 ' Q(' H' ,,' ;7(3' D7 H1 2' @.(/25' /1' (.' 1.742' 733' 13' /02' L.9' 1%' :;:5/X< N 79)' 1 739' (5' 9279 <G:5/' /0.22' @22>5' 7%/2.' (2.' 1.9' 02' 075' 4 27.29' 7 ' /02' 928/5' 1%' (2.' /@1' 2 925/' 5135' 02' 2 925/' 075' 7' 7.;2' %1./:32' 739' 07. 25' 7' 92423/' 82;(33(3;' 1%' 731/02.' /01:;0' (/' ?7)

;7?8 29' 7@7)' 255' .:(31:5' 5:?5' /073' %1.?2.)' 7/(1:;('
9(55(H7/(13' 5/(' 413/(3:29' /1' 82' 8(5' 8732' N .' 1M O'
@.(/25' D7H1 2' /1' (.' 1.742' 733' 13' /02' !$/0' 1%' 7)'
!$"!' N(5' /02' %(.5/' %(;:.2' (3' 7' /02' H7425' ' 07Q2' ?23J
/(1329' X /02' 02.1' (3' -7.(7?23/' 7/' /02' ;7?(3;R/78 2' 7/'
2@?7.>2/' 75/' @22>' 02' H75529' /@23/)R%1:.' 01:.5'
@(/01:/' (3/2..:H/(13' 7/' 7' /0.22' 739' (' /02' @01 2' /(?2 OF'
/' @75' /0252' 31/1.(1:5' (..2;:7.(/(25' 75' 075' 7.279)' 8223'
H1(3/29' 1:/' @0(40' 13' -(//=5' ?7>(3;' 0(5' 7HH27.7342' (3'
H:8(4' (%2' ;7Q2' /02' 7//2.' 51' ;(B47/' 73' 79Q73/7;2' 1Q2.' 0(5'
2 92.' .(Q7' 02' @1. 9' (3' 9(54:55(3;' /02(.' 52Q2.7' 407.74/2.5'
739' 4 7(?5' /1' H:8(4' 413%(92342' 37/:.7)' 9.2@' 7' 41?J
H7.(513' :3%7Q1:.78 2' /1' 1M' 02)' 8202 9' (3' 0(?' 7' ?73'
1%' 8.1>23' %1./:325' 739' .:(329' .2H:/7/(13' 75514(7/(3;' @/0'
/02' N ?15/' 9(551 :/2' 407.74/2.5' O%' 739' 8)0(5' (??1.7 (/(25'
1H23)' 52//(3;' H:8(4' 1H(3(13' 7/' 92%(7342' -(//' 13' /02' 1/02.'
0739' 5/119' 82%1.2' /02?' 31/' 13)' 0(?52 %' 7' ?192' 1%')1:/0J
%:' H:.(/)' 8:/' 7//.74/(3;' /1' 0(5' 5/7397.9' /02' 5182.' 739'
.(5(3;')1:3;' H1 (/(4(735' 1%' /02B97)' @01' 7 ?15/' @1.50(HH29'
0(?' 13' 7441:3/' 1%' 0(5' ;23(:5' 739' 0(5' Q(./:25' 1M' 31' 255'
/073' -(//' @75' :391:8/29)' 74/:7/29' (3' 0(5' H:8(4' 4139:4/'
8)' 73' 0131:.78 2' 7?8(/(13' 8:/' @(/0' -(//' 7?8(/(13' @75' 73'
7 R7851.8(3;' H755(13' @0(2' @(/0' 1M' (/' @75' ?792' 5:852.J
Q(23/' /1' /02' H:.5:(/' 1%' H 275:.2' -(//' @75' 7' (39:5/.)' 739'
7HH (47/(13X @0(2' 1M' 13' /02' R1/02.' 0739' /.:5/29' H7./)' /1'
0(5' 37/:.7' 78((/(25' 739' H7./)' /1' /02' 5/14>' 1%' >31@ 29;2'
@0(40' 02' 079' 7 .279)' 5/1.29' :H' /1' H.14:.2' 0(?' Q(4/1.)' 1Q2.'
0(5' 1HH1323/5' 0:5' (/' @75' /023' /07/' -(//' .7(529' 0(?52 %' /1'
7' H1@2.' @0(40' 02' 5:4422929' (3' .2/7(3(3;'%1.' 52Q23/223')27.5'
@0(2' 1M' 9:.(3;' /02' @01 2' 1%' 0(5' H1 (/(47' 47.22.' 02 9

31/' (5/' '3(;(/ O' R5 #' H' !*!' 79)' 1 739' 5:.Q(Q29' 02.' 0:58739' 13)' /@23/)R'
/0.22' 97B5' 739' 13' /(2' +#/T(' 1%' 242?82.'%1 1@(3;' 9(29' /02(.' 2 925/' 513' /2((02((
1M' @01' 5(M' ?1((/(5' H.2Q(1:5 G=' 079' 5:4422929' 0(5' %7/02.' 75' 524139' 1.9' 1 0(?'
V)' 0(5' 927/0' 07.25' 1M' 5:4422929' /1' /02' /23:.2' 1%' /02' :4.7/(Q2' H 742' 1%' 2.>' 1%'
/02' -2 5'(3' .2 739' < 4 ' 'E =' Q1' (' H' !L#

' ' !' " ' "### ' $9%'

]' D7H1 2=5' 75/' 1:.37 5' Q1' ((' H' #!V

1%%(42‘ 547.42)‘ ?1.2‘ //73‘ 75‘ ?73)‘ ?13/05‘ 21.;2‘ 2@)Q5‘ @(///( )‘ 41?H7.29‘ /02?‘ /1‘ /02‘ 39:5/.(1:5‘ 739‘ 9 2‘ 7HH.23J /(425‘ (3‘ 1;7./0=5‘ H.(3/5 F‘ N 07. 25 0‘ 57(9‘ 0(5‘ %.(239‘ 11/08)‘ 7/‘ 7‘ 7/2.‘ H2.(19‘ N‘075‘ /0.22‘ H755(135 < @1?23‘ H 7)‘ 739‘ H1 (/(45‘ 2/‘ 02‘ 32Q2.‘ %1.?29‘ 7‘ 4.29(/78 2‘ 413J 32M(13‘ @(/0‘ 7‘ @1?73‘ (3‘ 0(5‘ (%2X 02‘ 075‘ 5I:7392.29‘ 7 ‘ 0(5‘ ?2735‘ 7/‘ /02‘ ;7?(3;R/78 2‘X 739‘ @(/0‘ /02‘ 2M42H/(13‘ 1%‘ 2 2Q23‘ ?13/05‘ 02‘ 075‘ (3Q7.(78)‘ 8223‘ (3‘ HH15(/(13 0

- ' &

8.:H/@(/09.7@7'1% 7. 2?H2%.1?'/02 -(//9?(3(5/.7/(13< 35/7342 1% -(//=5 9(5(3/2.25/293255< (%%(4:/(25 1% /02 2@ (3(5/.)< .2I:23/92%27/5 1% /(2 1Q2.3?23/(3 /02 1:52 1% 1??135< 02 1??135UH2/(/(13 %1.' -(B//=5 .2?1Q7 <P 02 (3;'(3 %7Q1:.' 1% 7 (551 :/(13 1% -7.(7?23/< 02 78(32/' :392.' -(//=5';:(97342'924(92 7;7(35/ (551 :/(13< (1 23/H7./)'7//74>5 13 /02 (3;'8)' 1M 739 1/02.' 4MR (3(5/2.5< 02 (3;=5 027/0 7;7(3 (?H7(.29< 02 1:52 1% 1.95 4235:.2 /02 H.14229(3;5 1% /02 1??135< 24(32 1% 1M=5 (3% :2342< :?2.1:5 799.25525 1%)?H7/0)' 523/ /1 /02 (3;< 3/075(35/(4 .242H/(13 1% -(//(3 /02 (/)< .:/7'7//74>' 13PP-(//(3 H755(3;' .11>5=5 :8<' (551 :/(13 1% -7.(7?23/< 1M 327.)' 1:5/29 %1.' D25/?(35/2.< 7G1.(/)' %1.' 1Q2.3?23/(3 /02 1:52 1% 1??135< G/239(9 H15(/(13 1% -(//< 2//2.5 1% /02 (3;'/1 (541:3/ 1@2 739 232.7' 13@7)

-(' 079 8223 547.42)' %1./)R2(;0/ 01:.5 (3 1%(42 @023 7 8 1@ @75 927 / 0(?' %.1?' 73 :32MH24/29 I:7./2.' @0(40 /0.27/2329/1' H.1Q2 %7/7'/1' 0(5 (3%73/ 9?(3(5/.7/(13' 3 /02 !,'/0 1% 242?82.' 7.' 2?H 2 079 7442H/29 /02 27 5 75 24.2/7.)' 1% /7/2' 3 /02 +!5/ 02 5:9923)' .25(;329 /02?' N' 152 31 /(?2 0 @.(/25 -1M /1 1.9 1./0(3;/13' N(3 5239(3;')1:' /02 (3/2 (;2342' 8247:52 (/ ?7)' H.2Q23/ ?275:.25)1:' @1: 9 1/02.@(52 82 /7>(3;' 02 413%:5(13 1% /02 232?)' (5 82)139 7 ' 9254.(H/(13' 739 /02 /.(:?H0 1% 1:.' %.(2395 H.1H1./(1378 2 0F 02 92%24/(13 1% 51 327.' 7 .2 7/(Q2' 739 1% 51 H1@2.%:' 73 7)' 75 1.9 2?H 2' @75 /1 -(//7 51:.42 1% /02 922H25/9(5/.255 739 ?1./(%(47/(13' D023' 27.)' 13 /02 %1 1@(3;' ?1.3(3;' (501H 1?(32 Q(5(/29 0(?' 739 @75 79?(//29 /1 0(5 8295(92' 02 @75 /1 9 8)' 0(?' /07/ 02 079 H75529 /02 3(;0/ @(/01:/ 23G1)(3;' 7 ?1?23/=5 5 22H' N 0(5 0 57)5 /02 (501H' N@75 /02 13)

7.' :552 =5 2?1.(7 5 1% 1M' Q1 '((' H' ++S

2Q 3f 1% 7 H:8 (4 37/:.2''K@8(8 ' 2Q2.' ?2@ 9(5/:.8 .' -(//=5 .25f @0(2 02 413/(3:29 P' ;119 027 /0 0F
1.9 2?H 2=5 H.24(H(/7/2 .25(;37/(13 1% /02 27 5' 7f 51 4.(/(47' 7 H2.(19' 7HH27.5 /1' 07Q2 8223 H.2//)' ;232.7)' 7//.(8:/29' 8)' 0(5 413/2?H1.7.(25 /1' 7 9(%%2.2342 1% 1H(3(13 82/@223 0(?' 739 -(// 13 /02 H1 (4)' 1% 9(551 Q(3;' -7. (7J ?23/'%' 2?H 2 79Q147/29 (? ?29(7/2 (551 :/(13' -(// @75 .251 :/2)' 823f 13 92 7)' /02.' 47:525' 01@2Q2.< 5:40' 75 9(5;:5f 7f 07Q(3;' 8223 .2%:529'7 5/2H (3 /02 -22.7;2 75' 7 .241;3(/(13 1% 0(5 .2423f 52.Q(425 (3 .2 739 < 9(57HH1(3/J ?23f 7f 31/R 07Q(3;' 8223 H 7429 7f /02 0279 1% /02 .27J 5:.)' G< 739 H155(8)' G27 1:5)' 1% 0(5 41:5(3' -(// < P?7) 31f (?H.1878)' 07Q2' ?1.2 1.' 255' 079 /02(.' 507.2 (3 (3% :234(3;' /02 4139:4f 1% /0(5 (?H.74/(478 2 739 (?H2.(1:5 ;(B73922' 07f 02 81/0 75H(.29'/1' 7 9:>291?' 739 (?7;(329 /07f 0(5 4 7(?5 079 8223 :39:)' 1Q2. 11>29' /02.2 (5 7?H 2 2Q(92342 /1' 501@' 1.' (35/7342' 13 /02 %1.?7/(13 1% /02 17 (/(13 (3(5/.)' @2 %(39 0(?' H.2%2..(3;' %1.?7' 41?H 7(3/5 1% 32J ; 24f 81/0 /1' /02 :>2 1% -1./ 739 739 1.9 1./0' 31.' (39229' 079 /02 7.' 7 1@29 -(// /1' .2?7(3 ?73)' 01:.5 --.(?2 (3(5/2.' 82%1.2 02 41??23429 (?H1./:3(3;' 0(?' %1.' 51?2 N ?7.>' 1% /02 (3;=5 7HH.187/(13 1% 0(5 4139:4/ 0 739 /.27/(3;' 0(5 07Q(3;' 8223 H75529 1Q2.' 75 7 N H2.5137' 1%%2342 0 -(//' (f 522?5' @1: 9 @((3;)' 07Q2 41?H.1?(529 /02 ?7//2.' 8)' 79Q(5(3;' /02 (3;' /1' 413%2.' 7 H22.7;2 13 /02 7.=5 524139 513' 8:f /0(5 @75 (39(;373/)' .2G24/29 8)' 0(5 /25/)' >(35?73'e -155(8)' /11' (f ?(/)' 31f 07Q2 8223 @(/01:/

F 1? (32=5 (%2 1% -(//' Q{(' (' H' +LL
/' D.7M7 =5 (5/' 2?1(.5' Q1(' (((' H' #*"' 1.3@7 (5 -7ZY2.5' Q1(' (' H' !#L
' 07f 2?H 2 @75 2341:.7;29 8)' 0(5 %.(2395 /1' 75H(.2 /1' /02 -.2?(2.50(H' 739 7 51 /07f 81/0 1M 739 1.9 1./0 4135(92.29 0(5 2 2Q7/(13 /1' /07f 0(;0 H15/' 7 Q2.)' H.1878 2 2Q23/' (5 42./7(3' 22 6)* 4' > ' Q1(' (' HH' !#,' +V!' 739 C ' Y' < 44; ' 'E =' Q1(' ((' H' !!S
e :4>(3;07?' -7H2.5' Q1(' (' HH' +S+' +V*' +,+' 22 7 51' C ' + .' 0 ' ' > ' Q1(' (' HH' !#L<S' %' (f 82 /02 4752 /07f H2.R5137' HOG:2 739 9(57HH1(3/?23f @2.2 /02 14475(135 1% 1.9 2?H 2=5 .25(;3(3;' /02 27 5' 02 079 7f 275f 7 H.242923f (3' /02 ' /.' '

%22 (3;5' 1%' (..(/7/(13' (%' 31/' 23Q)' /07/' 2?H 2' 8202 9' /02' 5H 239(9' 79Q7342?23/' 1%' 7' 5:87 /2.3' .2 7/(Q2' @01' @75' 31/' 13)' 0(5'G:3(1.' (3')27.5' 8:/' 51' (3%(3(/2)' 0(5' (3%2.(1.' (3' .73>' 739' 7.(5/14.7/(4' 41352I:2342' 2?H 2' 32Q2.' 522?5' /1' 07Q2' 1Q29' 739' 31/' (?H.1878)' ?7)' 07Q2' 9(5 (>29' 0(5' (:5/.(1:5' 41:5(3' 02.2' 079' 42./7(3)' 8223' 7' /(?2' @023' /02' %7Q1:.' 739' 41:3/237342' 1%' /02' H1@2.%:' 1.9' 1%' /1@' ?(;0/' 07Q2' 8223' 1%' 52.Q(42' /1' /02')1:3;' 7@R5/:923/' 23/2.(3;' :H13' (%2'8:/' /02' .7)5' 1%' >(393255' 079' 7HH7.23/)'R32Q2.'% 1@29' /1' -(//'%.1?'/07/' I:7./2.' /' @75' 31/' (39229' /(' 0(5';23(:5' @75' .7H(9)' 827.(3;' 0(?' /1' /02' 0(;025/' H1(3/' 1%' H1 (/(47' ;.27/3255' /07/' 02' 522?5' %1.' /02' %(.5/' /(?2' /1' 07Q2' 8223' 7' ;:25/' 7/' /02' 4 755(47' 527/' 1%' 0(5' H1@2.%:' >(35?73' 1' 0(5' ?1/02%' 79)' 07/07?' 02' @.(/25' 13' /0X2' ++39' 1%' :)' !$"L < N)' 2M4:.5(13' /1' /1@' @75' 7' Q2.)' 501./' 132X' /02' H 27573/25/' 01@2Q2.' /07/' 41:9' 82' '%1:39' ?1.2' 827:/(25' (3' /02' H 742' /073' ' 2MH24/29X' 739' /02' 01:52' /01:;0' 31/' 07 %' %(3(5029' (3' /02' (35(92' /02' ?15/' ?7;3(%(423/' 8)' %7.' /07/' ' 2Q2.' 57@' /(' 75'%7.' 75'/02' ?2.2' H 275:.2' 1%' 522(3;';125' ' 079' .7/02.' 82' /02' Q(5(/1.' /073' /02' 1@32.0F

D 2' 07Q2' 5223' 01@';.27/' @75' -(//=5' 9(5/.255' 7/' /02' .25(;J 37/(13' 1%' 1.9' 2?H 2')2/' (/' 075' 8223' I:25/(1329' @02/02.' H02' 92%24/(13' 1%' /07/' 318 2?73' @75' 31/' 7%/2.' 7 ' /02' 1447J 5(13' 1%' 5/.23;/0' .7/02.' /073' 1%' @27>3255' /1' /02' 9?(3(5J /.7/(13' 3' /02' 1H(3(13' 1%' /02' H:8 (4' (/' 079' 8223' @(/0' 31' Q2.)' 4 273' 07395' /07/' /02' 7.' 079' 2?2.;29' %.1?' /02' :392.;.1:39' 1H2.7/(135' 8)' @0(40' 02' 079' 5:4422929' (3' :392.?(3(3;' /02' 17 (/(13' (3(5/.)' 739' 41352I:23/)' 0(5' 413/(3:7342' (3' 1%%(42' ?(;0/' 8)' 23/7((3;' 7' 42./7(3' 7?1:3/' 1%' 19(:?' 13' /02' 32@' 9?(3(5/.7/(13' 07Q2' 14475(1329' 413J 5(92.78 2' 2?87..755?23/' /1' -(//' D 07/2Q2.' ?7)' 07Q2' 8223

2M7?H 2' 1%' 0(5':34 2' (407.9' 7.' 2?H 2' @01' 7' I:7./2.' 1%' 7' 423/:.)' H.2Q(1:5)' 079' %:3;':H' /02' 1% 42' 1%' -.(Q)' 27' 13' /02' 7./2.' 07Q(3;' 8223' @(/002 9' %.1?' 0(?' 8)' /02' :>2' 1%' 2@475/2' R4' P4)) ' Q1 ' (' HH' SL"' SL,' 739' 'G' D7H12=5' 0@ ' Q1 ' (((' H' +#S

F' 7.' /7301H2=5' (%2' 1%' -(//' Q1 ' (' H' !+$

/02' ?1/(Q25' 01@2Q2.' @0(40' (3% :23429' /02' 4139:4/' 1%' 1.9' 2?H 2' 7/' /0(5' /(?2' -(//' 7/' 275/' @75' Q2.)' 5113' 7%%1.929' 73' 1HH1./:3(/)' 1%' H.1Q(3;' 01@' 9(5(3/2.25/29' @2.2' 0(5' 1@3' 4135(92.7/(135' 2' 079' 8223' 13)' 7' %2@' 97)5' (3' H1@2.' @023' /02' 927/0' 1%' (.' 9@7.9' D7GY1 2' H 7429' 7/' 0(5' 9(5H157' /02' 5?24:.2' 7HH1(3/?23/' 1%' 2.>' 1%' /02' -2 5' /1' @0(40' @75' 7//74029' 7' 57 7()' 1%' /0.22' /01:5739' 7')27. F' Q2.)' 132' 2MH24/29' /07/' 02' @1: 9' 07Q2' 7HH.1H.(7/29' /02' H 742' /1' 0(?52 %' 2./7(3)' /02' H:8(4' @1: 9' 31/' 07Q2' 8 7?29' 0(?' 079' 02' 9132' 51' 31.' H.1878)' @1: 9' 2Q23' /02' 8(//2.25/' 1%B' 0(5' H1 (/(47' 1HH1323/5' 07Q2' (?H:;329' 0(5' 413J 9:4/' (3' -7. (7?23/' 1.9' 1./0' %1.' (35/7342' /01:;0' %7.' %.1?' 07Q(3;' 8223' 7' .7H74(1:5' (3(5/2.' 079' ?792' 31' 54.:H 2' 1%' 825/1@(3;' 5(?(7.' %1./:37/2' @(39%7 5' :H13' 0(5' 1@3' .2 7/(135' X 31.' 41: 9' 1M' @2 ' 07Q2' 47 29' 0(5' .(Q7' /1' 7441:3/' 4135(92.(3;' /07/' 02' 0(?52 %' 23G1)29' /02' (>2' :4.7J /(Q2' H15/' 1%' 2.>' 1%' /02' -2 5' (3' .2 739' 1.21Q2.' -(//' 079' /02' 5/.13;25/' H2.5137' ?1/(Q25' %1.' 7HH.1H.(7/(3;' /1' 0(?J 52 %' /02' Q7473/' 1%%(42')' 91(3;' 51' 02' @1: 9' 07Q2' 524:.29' %1.' 0(?52 %' /07/' @0(40' (8813' (3' 0(5' N' 2?1(.5 0' 5/) 25' N /02' %(.5/' 1%' 27./0)' 8 255(3;5' 392H2392342 O %' @02.275PB' 5(/:7/29' 75' 02' 31@' @75' 7' 5(3; 2' 015/(2' Q1/2' (3' -7. (7?23/R' ?(;0/' 7/' 73)' ?1?23/' .2R4135(;3' 0(?' /1' 0(5' 1 9' 407?82.B5' (3' (341 3=5' 33' /1' 0(5' 5 2392.' (341?2' 1%' /0(R22' 0:39.29' 7')27.' 739' /02' H.247.(1:5' H.1%(/5' 1%' /02' D25/2.3' ((B4:(/' 25H(/2'01@2Q2.' /02' 79Q(42' 739' .2?135/.73425' 1%0(5' % 2395' 02' 31/' 13)' .25(5/29' /02' /2?H/7/(13' 8:/' 8)' 0739(3;' 1Q2.' /02' 7HH1(3/?23/' 739' (/5' 2?1:?23/5' /1' 1 132' B $' .2 (2Q29' /02' 41:3/.)' %.1?' /02' 2MH2352' 1%' /02' 547397 1:5

F' :40' (5' /02' 7?1:3/' 1%' 57 7.)' 75' .2H.2523/29' 0)' 1.9' /7301H2' `0 ' '>@' Q1 ' (' H' !$$Y' 739' 8)' 1.9' 747: 7)' `6 ' H' !$!Y' 8:/' /02' 32/' 57 7.)' 739' 2?1:?23/5' ?:5/' 07Q2' .274029' 7' ?:40' 7.;2.'5:?' `)' 7' 2/:?' @0(40' @75' H.2'' 523/29' /1' /02' 1:52' 1%' 1?? 135' 13' /02' !!/0' 1%' 28.:7.)' !$"+' (/' 7HH27.5' /07/' /02' 4 27.' 739' 74/:7' .242(H/5' @2.2' 31' 255' /073' `$#,$' !+5' *S9M& ' 6) ' y1.' !$"#' H' !"V' 02.2' @2.2' H.1878)' 01@2Q2.' Q2.)' 4135(92.78 2' 2MH23525' /1' 82' H7(9' 1:/' 1%' /0(5' 5:?' 22' ' H' S+!' 31/2' F'

/' (8813=5' (542 7321:5' D1.>5' H' ,!' ' 9' !"L$

+

H235(13' @0(4 (' 079' 8223' ; .73/29' /1' /02' 7//2.' 8)' /02' 14>J (3;07?' 9?(3(5/.7/(13' (5(3/2.25/293255'51' :341?? 13'@75' 91:8/ 255'5322.29' 7/' 8)' /02' @(/5' 739' 9739(25'1%' .11>5=5' 8:/' 02' 079' 0(5' .2@7.9' (3' /02' 7HH 7:52' 739' 413%(92342' 1%' 0(5'%2 1@R5:8G24/5' N' (. 0' 57(9' 7..W' /1' (501H' 1? (32' N (/' (5' /02' 74/' 1%' 7' ?73' @01' 5/7395' :H13' 7' 0(;0' 2?(32342' (3' /02' 2)25' 1%' /07/' 41:3/.)' @0(40' 02' (5' 92/2.?(329' /1' ;1Q2.3 0F' -(//=5' 4139:4/' (3' .2G24/(3;' /02' 2.>50(H' 1%' /02' -2 5' @75' 7 51' 0(;0)' 2M/1 29' 8)' 0:. 1@'(3' /02' 1:52' 1%' 1.95' 07/' H15/' 02' 57(9' N' @75' 50788)' 231:;0' /1' 79Q(52' 0(?' /1' 7442H/' 739' 42./7(3)' 501(G 9' :392.' 0(5' 4(.4:?5/73425' 07Q2' 8223' 50788)' 231:;0' ?)52 %' /1' 07Q2' 7442H/29 0' \

02' 9(%%(4: /(25' @(/0' @0(40' -(//' 7/' /02' 1:/52/' 1%' 0(5' 9J ?(3(5/.7/(13' %1:39' 0(?52 %' 8252/' @2.2' 5:40' 75' @1: 9' H.1J 878)' 07Q2' (39:429' 73)' 1/02.' (3(5/2.' /1' .2/(.2' (3' 925H7(.' %.1?' /02' 02 ?' 1%' 1Q2.3?23/' 1' 0(5' ;.27/' ?1./(%(47/(13' 0(5'%7/02.=5'%1.?2.' 41 27;:2' /02' :>2' 1%' .7%/13' 924 (329' /02' H15/' 1%' -.(Q)' 27' @0(2' 7'%7.' ?1.2' (3/(?7/2' 75514(7/2' 1%' 0(5'%7/02.' 1.9' 7?923' .2%:529' /02' -.25(9234)' 1%' /02' 1:34(' 3' /02' 1:52' 1%' 1??135' /02' Q1/25' 1%' /02' :3(/29' H7./(25' 1%' 1M' 739' 1.9' 1./0' 4135(92.78)' 1:/3:?82.29' 0(5' 1@3' 2' 079' /1' 413/239 < 739' /1' 413/239' 7 ?15/' 7 132' < 31/' 13)' 7;7(35/' ?23' 1%' 2 1I:2342' @(/' 739' /.(29' 79?(J 3(5/.7/(Q2' 78((/(25' 5:40' 75' :.>2' 1./0' 739' 02.(973' 8:/' 7;7(35/' /02' /.735423923/' ;23(:5' 1%' 1M' 7' 5/7/25?73' @01' /1' 791H/' /02' @1.95' 1%' (8813' N' 079' H.1Q29' 0(?52 %'(3' /02' 413J 9:4/' 1%' 7' H7./)' 2I:7' /1' /02' 4139:4/' 1%' 73' 2?H(.2 0' ' 3' /02' Q2.)' %(.5/' 97)' 13' @0(40' -(//' 7HH27.29' (3' /02' 1:52' 1%' 1??135' 7%/2.' 0(5' .2R2 24/(13' %1.' HH 28)' 02' 079' /02' ?1./(%(47/(13' /1' %(39' 0(?52 %' 92%27/29' 13' %(Q2' 5:44255(Q2' ?1/(135' 739' 2%/' (3' /@1' ?(31.(/(25' 1%' L,' 739' VS' 2' 079

[' HZ " ' ' ' ' S*,

2MH24/29' 31' ?2.4)' %.1?' 0(5' H1 (/(47' 1HH1323/5' 739' 02' ?2/' @(/0' 3132' 02)' 547.42)' 7 1@29' 0(?' 2Q23' 8.27/0(3;R' /(?2' 02)' 7%%24/29' /1' .2;7.9' 0(?' (3' /02' (;0/' 1%' 7' 413J 42(/29' (32MH2.(23429' 81)' 739' .(9(4: 29' 0(5' H.15H24/5' 1%' 25/78 (50(3;' 0(?52 %' (3' H1@2.' 75' 73' N :3H7.7 2 29' 92 :J 5(13 0' 7)' 7%/2.' 97)' 02' %1:39' 0(?52 %' 2MH1529' /1' 7' H(/(J 255' 5/1.?' 1%' 57.475?' /0.27/5' 739' (3Q24/(Q2' /1;2/02.' 82/@223' /02' !$/0' 1%' 242?82.' !$"L' 739' /02' "/0' 1%' 7.40 !$"S' /02' HH15(/(13' /.(:?H029' (3' /02' 1:52' 1%' 1?J ?135' 13' 5(M/223' 14475(135' Q23' /1' -(//' 0(?52 %' 51' 01H2J 255' 7/' 132' /(?2' 7HH27.29' /1' 82' 0(5' B4073425' 1%' :/(?7/2' :44255' /07/' (/' @75' 13)' (3' 1829(2342' /1' /02' 27.325/' 23J /.27/(25' 1%' 0(5' 1Q2.2(;3' /07/' 02' @75' (39:429' /1' H.1 13;' /02' 5/.:;; 2' N' %')1:' .25(;3' .' -(// 0' /02' (3;' (5' .2H1./29' /1' 07Q2' 57(9' /1' 0(?' N' ' ?:5/' .25(;3' /110')' 0(5' %.(2395' 7 51' 75' @2 ' 75' 8)' 0(5' 232?(25' /02' ;7?2' @1: 9' 522?' /1' 07Q2' 8223' .2;7.929' 75' 925H2.7/2' N' 2H239' :H13' (/' 0' 57(9' (8813' N' ( )=5' H7(3/29' ;7 2)' ?:5/' 5113' 5(3>' :392.' 07. 25=5' 8 74>' 41 (2. 0' %' 1M' 0(?52 %' @.1/2' /1P 1.9' 1./0(3;/13' @01' @75' 5/(' 9(5407.;(3;' /02' 9:/(25' 1%' 14R+#' 1.9' (2:/2373/' 1%' .2 739' N31/' /1' I:(/F0(5' 01:52' 31.' 9(5?(55' 7' 5(3; 2' 52.Q73/ 0' Q

/(' -(//' 413/(3:29' ;7 73/)' /1' 5/.:;; 2' 13' 739' (3' 9:2' /(?2' @(/0' (?H.1Q29' H.15H24/5' 1%' 5:44255' 1.2' /073' 1342' /02' 1:52' 1%' 1?? 135' @23/' /1' /02' 23;/0' 1%' H2/(/(13(3;' /02' (3;' /1' 9(5?(55' 0(?' %.1?' 0(5' 41:34(5' 8:/' /1' 31' H:.H152' 0.1:;01:/' /02' ?2?1.78 2' 413/25/' 02' 9(5H 7)29' 31/' 13)' 78((/(25' 1%' /02' 0(;025/' 1.92.' 8:/' 7' H.:92342' 7' 41:.7;2' 7' 52 %R41?? 739' 739' 7' H.252342' 1%' ?(39' @0(40

F' ((/235± 4?1(Q5' 1%' 7' (7Q4 2.' 31@' (3' 2/(.2?23/' Q1 ' Q ' H ' ! !# /' :/2.=5' 2?(3(5423425' H' !#!

(' 7.' :552 B5' 2?1.(7 5' 1%' 1M' Q1 ' ((' H' ++V' K' .B -(//=5' 7/2' 4O24>5 O @.(/25' D 7 H1 2' 13' /02' V/0' 1%' 242?82.' N ?7)' 82' 1%' :52' /1' 0(?' 739' /2740' 0(?' /1' 7HH.24(7/2' 0(5' 5/.23;/0' 82//2.' 1.' /1' @7(/' /(' (/' (5' 413%(.?29' 79' 02' (5/29' :392.' .' 1M' @01' 1Q29' 739' 41:./29' 0(?' 01' @1: 9' 31/' 13)' 07Q2' 9(541Q2.29' ?1925/)R' 8:/' 07Q2' 8223' ?1.2' (>2)' /1' 5:44229' 0(? b/07:' 8)' 41??234(3;' 0(5' 41?H2/(/1. 0' 5 " ' ') Q1 ' Q(((' H' SL,

S$* ‘ -‘ ‘ ‘ & s H

524:.29‘ %1.‘ 0(?‘P7 ?15/‘ :3(Q2.57‘ 79?(.7/(13‘ 1‘ /02‘ 5:HH1./‘ 1%‘ 0(5‘ 1Q2.2(;3‘ /1‘ /02‘ ;119‘ 52352‘ 1%‘ /02‘ 37/(13‘ 739‘ /1‘ 0(5‘ 1@3‘ H2.5137‘ .251:.425‘ 02‘ 82;73‘ /1‘ 11>‘ :H‘ %1.‘ /02‘ ?2735‘ 1%‘ 2Q23/:7)‘ 740(2Q(3;‘ /02‘ /.(:?H0‘ @0(40‘ 0(5‘ 2%%1./5‘ 739‘ 0(5‘ H7/.(1/(5?‘ 51‘ .(40)‘ 9252.Q29

/‘ @75‘ /02‘ 1H(3(13‘ 1%‘ 1.9‘ 0:. 1@‘ 75‘ @2 ‘ 75‘ /07/‘ 1%‘ 1.9‘ 2?H 2‘ /07/‘ -(//‘ 501:9‘ 7/‘ 1342‘ 07Q2‘ 7HH27 29‘ /1‘ /02‘ 52352‘ 739‘ 5:%%.7;25‘ 1%‘ /02‘ H21H 2‘ 8)‘ 9(551 Q(3;‘ -7.(7J ?23/‘ %‘ /02‘ 57?2‘ 1H(3(13‘ @75‘ /02‘ (3;‘ N‘ ‘ 1@3 0‘ 02‘ @.(/25‘ /1‘ -(//‘ 13‘ /02‘ +S/0‘ 1%‘ 73:7.)‘ N‘ ‘47331/‘ 522‘ /02‘ .27513‘ (%‘ /02‘ /0(3;‘ (5‘ H.74/(478 2‘ /07/‘ P‘ (551 :/(13‘ 501:9‘ 31/‘ 82‘ 2%%24/29‘ ‘ (%‘ 31/‘ ‘ %27.‘ /02‘ 135/(/:/(13‘ 1%‘ /0(5‘ 41:3/.)‘ 47.(31/‘ 5:85(5/ 0 F‘ -(//‘ 13‘ /02‘ 1/02.‘ 0739‘ @75‘ 413Q(3429‘ /07/‘ /02‘ 13;2.‘ /02‘ H:8 (4‘ @2.2‘ 7 1@29‘ /(?2‘ %1.‘ .2% 24/(13‘ /02‘ ?1.2‘ (34 (329‘ /02)‘ @1:9‘ 82‘ /1‘ 924 7.2‘ (3‘ %7Q1:.‘ 1%‘ -.2.1;7/(Q2‘ 739‘ 7;7(35/‘ /02‘ H.2J /235(135‘ 1%‘ /02‘ 17 (/(13‘ 02‘ (3;‘ 01@2Q2.‘ 75‘ @(‘ 82‘ 5223‘ 413/(3:29‘ /1‘ 9(%%2.‘ @(/0‘ 0(?‘ 13‘ /02‘ 5:8624/‘ <

‘ ‘ ‘ ‘ , ‘ <

s M/.74/Z

B K? ,‘V%‘ Ne%‘A#V ‘ # #

XX‘ ‘925(.2‘ .‘ -(//‘@(‘7552?8 2‘/02‘413%(923/(7‘ (3(5/2.5‘ /0(5‘ 2Q23(3;‘ /07/‘ 02‘ ?7)‘5/7/2‘ @07/‘075‘ H75529‘ /0(5‘ 97)‘ ‘501:9‘ /0(3>‘ 02‘ 47331/‘ ;(Q2‘ 73)‘ .27513‘ %1.‘ H.2Q23/(3;‘ 7‘ (551 :/(13‘ 13‘ 1397)X‘ 8:/‘(%‘02‘ 501:9‘02‘?:5/‘82‘7.?29‘@(/0‘/02‘1H(3(13‘1%‘ /02‘1/02.‘ (3(5/2.5 0‘%

1./:37/2)‘ -(//‘ ;7(329‘ 0(5‘ H1(3/‘ (3‘ /02‘ 78(32/X‘ /02‘ %(37‘ .25:/‘ 5:852I:23/)‘ H.1Q(3;‘ 01@‘ @(52‘ 079‘ 8223‘ 0(5‘ G:9;?23/

3‘/02‘?273‘/(?2‘/02‘ 7/2‘ (3(5/2.5‘079‘547.42)‘.242(Q29‘ /02(.‘ 9(5?(557‘ 82%1.2‘ /02)‘.2Q(Q29‘ /02(.‘ %1.?2.‘ H2.5137‘ 7//74>5‘ :H13‘/02‘ (3;‘X‘/0:5‘(34235(3;‘0(?‘?1.2‘/073‘2Q2.‘ 7;7(35/‘@07/‘02‘5/) 25‘N‘7‘925H2.7/2‘ %74/(13 0‘ @0(40‘(3‘ 0(5

F‘ 7.‘ /7301H2=5‘ (%2‘1%‘-(//‘Q1‘(FH‘(Q‘ HH239(M /‘$D

P ' SV Z ' ' ' ' S$!

1H(3(13' 739' /1' : 52' 0(5' 1@3' @1. 95 ' /0. 27/2329FN' /1' 41 ? H 2/2' /02'
. : (3' 1%' /02' ? 15/' H2. %24/' 1%' 7 ' 0 : ? 73' %1. ? 7/(135 ' /02' .(/(50'
135/(/ : /(13 0' F' D 2 ' (39229' ? 7)' /02' (3 ;' 07Q2' 8223'
H. 1Q1>29 ' @023' @2' %(39' 1. 9' : . . 2)' 47. .) (3 ; ' 8)' 7' 7. ; 2'
? 7G1. (/)' (3' /02' 1 : 52' 1%' 1 ? ? 135 ' 7' ? 1/(13' (3' @0(40' /02'
(3 ;' @75 ' 7 ? 15/' 9(. 24/) ' 407. ; 29 ' @(/0' 07Q(3 ;' H2. ? (//29'
N 0(5' 574. 29' 37 ? 2' /1' 82' : 34135/(/ : /(137)' : 529' (3' 1. 92. '
/1' 7%%24/' /02' 92 (82. 7/(135' 1%' - 7. (7 ? 23/ 0' %' : / ' 75' ? (; 0/'
82' 73/(4(H7/29 ' (/' @75' 1M' @0152' 73 ; : 7 ; 2' @75' /02'
81 925/' 739' /02' ? 15/' 47 4 : 7/29' /1' ; (Q2' 1%%2342' /1' 0(5' 1Q2J
. 2(; 3 ' 2' @75' 5/(' (3' 1%%(42' X 5/(' 24. 2/7.)' 1%' /7/2' X 5/('
5H27>(3 ;' (3' %(. 13/' 1%' /02' . 275 : .)' 234025 ' @023 ' 13' /02'
! $/0' 1%' 242 ? 82. ' 02' Q23/29' 7' /(. 792' 7 ; 7(35/' /02' (3 ; '
@0(40' @75' 31/' /02' 255' (35 : /(3 ;' /07/' (/' @75' ; : 7. 929)'
41 : 4029' (3' 73 ; : 7 ; 2' 1%' H. 2/23929' 92%2. 2342' 739' . 25H24/ ' 2'
31/' 13)' . 2H. 2523/29' 0(?' 75' 82(3 ;' 5 : . . 1 : 3929' 8)' 7' 52/' 1%'
? 2. 4237.)' 73(557. (25 ' @01 ' 7/' /02' 8(99(3 ;' 1%' /02(. ' ? 75/2. '
@2(B2' H. 2H7. 29' /1' 5/. 73 ; 2 ' 31/' (39229' ? 23 ' 8 : /' ? 275 : . 25' X
8 : /' (39(. 24/)' 9. 7@(3 ;' 7' H7. 7 2 ' 82/@223' 0(?' 739' /02'
? H2. 1. ' (82. (: 5 ' 02' (>2329' /02' . 1) 7 ' 914 : ? 23/ ' @0(40' 079'
8223' 1. 9' 2 ? H 2=5' 7 : /01. (/)' %1. ' 473Q755(3 ;' /02' 1. 95'
7 ; 7(35/' /02' 39(7' (' /1' /02' H2. %(9(1 : 5' . 254. (H/' @0(40' /07/'
? H2. 1. ' 079' 523/' /1' /02' 1 ? 73' 5237/2 ' (34(/ ? ;' /02 ?' /1'
9(5H7/40' 2G73 : 5' @(/01 : /' 7' /. (7 ' 739' @(/01 : /' . 2I : (. (3 ;'
2Q(92342' 1%' 0(5' ; : (/ ' G

RRRRRR N' I : 1' 424(9(/' 5 : 8' 4. (? (32' ¢ I : (537 ?
2 7/1. ' d I : (8 : 5' (39(4((5' d I : 1' /25/2' H. 187Q(/' T
(' 01. : ?' ' Q2. 8157' 2/' ; . 739(5' 2H(5/1 7' Q23(/'
' 7H. 2(5 < 8232' 0782/' X 3(' H : 5' (3/2. . 1 ; 1 0
? ' 7/ ' M ' Q ' #, < $+

F' 7. ' /7301H2=5' (%2' 1%' - (// ' Q1 ' (' H ' Q(' HH239(MF'
/ ' - 7. (' (5/ ' Q1 ' MM(Q ' 41 5 ' L*V < L!$
(' 1M=5' H224025 ' Q1 ' ((' HH ' +## ' n4' D . 7M7 =5' (5/ ' 2 ? 1(. 5 ' Q1 ' (((' HH ' VL" ' V, ,

:4((413/(3:29 H.1Q147/(135 13 /02 H7./ 1% 1M 739 0(5 %.(2395 41: 9 547.42) %7(/1 7:;?23/ /02 9(5/.255 @(/0 @0(40 /02 (3;01:.) 413/2?H 7/29 /02 H.1878((/) 1% 0(5 82(3; 41?H2 29 /1 .242(Q2 /02?874> 75 0(5 (3(5/2.5 1 -(// 02 @.(/25 13 /02 !L/0 1% 73:7.) < N 7?.279) /1 /7>2 73) 5/2H /07/ ?7) 82 H.1H1529 /1 1HH152F /0(5 %74/(13 739 /1 5/.:;; 2 /1 /02 75/ H2.(19 1% ?) (%2 8:/ 473 32Q2.5:8?(/ /1 /0.1@ ?)52 % (3/1 (/5 H1@2. % /02) (3 /02 239 5:44229 ?) (32 (5 7 4 27.132 /1 @0(40 07Q2 %1./(/:92 231:;0 /1 5:8?(/0F ;7(3 /02 (3; @((/25 /1 -(// 13 /02 !V/0 1% 28.:7.) < N . -(// (5 51 @2 7HH.(629 1% /02 ?1./(%(47/(13 %22 7/ 73) H155(8((/) 1% 2Q2.7;7(3 522(3; /02 02795 1% HH15(/(13 (3 H:8(4 2?J H 1)?23/5 < 739 ?1.2 H7./(4:7.) . 1M @0152 4139:4/ 075 31/ 8223 ?1.2 ?7.>29 7;7(35/ ?) 5/7/(13 (3 /02 ?H(.2 /073 7;7(35/ ?) H2.513 < /07/ 02 s0. -(//Z ?:5/ 7//.(8:/2 ?) @73/ 1% H2.5H(4:(/) (3 ?) 413Q2.57J /(13 75/ 3(;0/ /1 /07/ %1:397/(13 O % 1 /02 (3; /02 H.2523/ 91:8/%: 413/25/ 82/@223 -(// 739 1M @75 /73J /7?1:3/ (3 (3/2.25/ 739 (?H1./7342 /1 7 5/.:;; 2 82J /@223 (%2 739 927/0 ;7(3 /02 (3;=5 027 /0 ;7Q2 @7)X 7;7(3 0(5 744:5/1?29 4022.%: 3255 %1.511> 0(?X 7;7(3 02 ?1.2 /073 0(3/29 0(5 (3/23/(135 (3 /02 2Q23/ 1% 92%27/ 1% 7873913(3; 3; 739 %1. 0(5 731Q2.(73 91?(J 3(135 %: .(3;/02 5/7) 1% /02 1:./ 7/ D(3951. (/ 079 8241?2 0(5 4:5/1?<7441?H73(29 13)8) 7 5(3; 2 2I:2..) @(/0 @01?02 .7.2)2M4073;29 7 @1.9 739 %1 1@29 8) 7 5(3; 2 52.Q73/ </1 /7>2 13; .(925 (3/1 /02 41:3/.) 9:.(3; @0(40 02 7HH27.29 /1 82 (??2.529 (3 /02 3(15/ H7(3%: .2% 24/(135 232.7)5H27>(3; 82%1.2 4134 :9(3; 0(5 .(92 02 H7(9 7 Q(5(/ 2(/02./1 0(5 01:395 1./1 132 1% 0(5 %7.?5 8:/ 2Q(923/)0(5 %1.?2./ %7Q1:./(2 H:.5:(/5 079 427529 /1 7%%1.9 0(?;.7/(%(47/(13 D023 02 .2/:.329 /1 /02 A:223=5

F 7./73 (1H2B5 (%2 1% -(// Q1 (H (. HH239(M
/ H (. D4%

7H7./?23/5' (/' @75' .2?7.>29' 8)' /0152' @01' 1Q29' 0(?' /07/' 0(5' 41:3/237342' @1.2' /02' 57?2' 73M(1:5' ?2 73401)' @0(40' (/' 079' @1.3' @023' 02' 079' /7>23' 27Q2' 1%' 0(5' %7?( )' (3' /02' ?1.3(3;' ' 441.9(3;' /1' 232.7' :9W< N' 02' %(.5/' %(Q2' 1.' 5(M')27.5' 02' >32@' 0(?' s/02' (3;Z' 02' /01:;0/' 02' 32Q2.' 57@' 5:40' 7' /2?H2.' 2' ' 7 @7)5' 4022.%:' X 32Q2.' %1.' 7' ?1?23/' 9(541?H1529' 1.' 1:/' 1%' 0:?1:(B' :/' /02' ?2.(473' @7.' (3' 51?2' 92;.22' 7 /2.29' 0(5' /2?H2.' %(=1?' 0(5' 2M/(B2?2' 73M(2/)' 739' 9(57HH1(3/?23/' 13' /07/' 0279' 02' 17 (/(13' 739' 07Q(3;' 7' (3(5/.)' %1.429' 13' 0(?' @0(40' 02' 92/25/29' 0:./' 0(?' 7 51 0' 441.9(3;' /1' /02' %:./02.' 7:/01.(/)' 1%' 232.7' :9W' /02' 9(5H15(/(13' 1%' 21.;2' /02' 0(.9' N' @75' 37/:.7)' 1%' /02' ?15/' %22 (3;' 739' 73M(1 5' >(39 0' 739' 413J 52I:23/)' 02' @75' /02' ?1.2' .279( )' 5:542H/(8 2' 1%' ;.27/' 2M4(/2?23/' F

3' /02' ?273' /(?2' 31/@(/05/739(3;' 1M=5' H1@2.%:' (3% :2342' (3' /02' 1@2.' 1:52' 1%' -7.(7?23/' 739' /02' %1.J ?(978 2' ?7G1.(/(25' @0(40' 02' @75' 78 2' /1' 41?? 739' (/' 079' 8241?2' ?1.2' 739' ?1.2' 2Q(923/' /07/' /02' H.2Q7((3;' 1H(3(135' 739' H.(34(H 25' 1%' /02' 1:52' 1%' 1?? 135' @2.2' 32(/02.' /0152' 1%' /02' (3;' 1%' /02' 1:52' 1%' -22.5' 31.' 1%' /02' -:8 (4' (3' ;232.7' /' 23;/0' /02' 9(%%2.2342' 1%' 1H(3(13' 82/@223' /02' 1.95' 739' 1??135' 522?29' (>2)' /1' 82'8.1:;0/' /1' 73' (55:2' 8)' 7' ?1/(13' 1%' @0(40' /02' 7.' 1%' %%(3;07?' 079' ;(Q23' 31/(42' (3' /02' HH2.' 1:52' /1' /02' 2%%24/' /07/' /02' -1:52' 1%' 1??135' (3' 42./7(3' 1%' /02(.' 7/2' 251 :/(135' 079' (3(3;29' /02' 5H(./' 1%' /02' 135/(/:/(135'E)' /02' (3;' /02' .25:/' 1%' /0W' (?H239(3;' 9287/2' (3' /02' HH2.' 1:52' @75' 37/:.7)' 11>29' %1.@7.9' /1' @(/0' /02' 922H25/' (3/2.25/

F' A:7./2.)' 2Q(2@' Q1 ' 4Q' H' S$V' 232.7' :92' @75' 5:8R;1Q2.31.' /1' -.(342' D((7?' 7%/2.@7.95' :>2' 1%' 7.2342' 739' /1' -.(342' 9@7(=9' 7%/2.@7.95' :>2' 1%' 23/' N' 91' 31/' I:(/2' >31@=' @.(/25' 797?2' = .8 7)' N' @07/' /1' 57)' 1%' 232.7' :9(' 2M42H/' /07/' 0(5' H2.513' (5' /7 ' 739' 501@)' 739' 0(5' ?7332.' 739' 7HG' 27.7342' 7.2' %750(1378 2' 8:/' 02' 075' 7' 5322.' (3' 0(5' 5?(2' /07/' 11>5' 57.475/(4' 739' 7' 9(5/7342' (3' 0(5' ?7332.' /07/' 522?5' 07:;0/) 0' 9 ,' ' 0 f' Q1 ' (((' H' S*' 02' ;232.7' 9(29' (3' /02' HH2.' 19;2' D(3951.' 75/2' 4/182.' L*' !"!"' 7/' /02' 7;2' 1%' 2(;0/)R/@1' 22' /02' 7 4 ' < Q ' ' !"!"' -7./' +' HH' V$!< +

S$S 3 s!$"S

$%E 5 ,'S' !$"S

^^ '/.:5/ /02 1:52 1% 1.95 @('/0(5 97)'%22' /07/ /02 01:.' 075 41?2 %1.' @0(40 /02 @(591?' 1%' 1:.' 73425/1.5 25/78 (5029 /07/ .25H24/78 2 41.H5 (3 /02 /7/2' /1' H.2Q23/ 2(/02.' /02 .1@3 1.' /02 1??135 %.1?' 234.1740(3;' 13 /02 .(;0/5 1% /02 1/02.' 39229'501: 9 31/ /02 1.95 5/739 81 9)'%1./0' /0(5 135/(/:/(13 ?:5/ 5113 82 4073;29X %1.' (% /02 13)'/@1' .2?7(3(3;' H.(Q(2;25 1% /02 .1@3 7.2 (3%.(3;29</07/ 1% 32;7/(Q(3;' (5 @0(40 07Q2 H75529 81/0 1:525 1% -7.(7?23/' 739 /07/ 1% 37?(3;' /02 (3(5/2.5 /1' 82 2?H 1)29<' 47331/ 8:/ %22' 75 %7.' 75 .2;7.95 ?)'H2.513' /07/ '473 82 31 13;2.' 1%' 73)' :/((/)' /1' /0(5 41:3/.)' 31.' 473 @(/0 0131:.' 413/(3:2 (3 /0(5 (5 739 0 F

1' /02 (3;=5 ;.27/ 57/(5%74/(13' 1.9 %%(3;07?=5 ?1/(13 @75 /.(:?H073/)' 47..(29 8)' 7 ?7G1.(/)' 1% 132 0:39.29 Q1/25 /1' %(%/)R/0.22' N)' H.2523/ 5F(/:7/(13 0 @.(/25 /02 (3;' /1' -(// 13 /02 !V/0' N (5 H2.07H5 /02 ?15/ 5(3;:7.' /07/ 2Q2.' 144:.(=29' 2(/02.' (3 /02 7337 5 1% /0(5 1.' 73)' 1/02.' 41:3/.)X %1.' /02 1:52 1% 1.95' 8)' 31/ 7 255 ?7G1.(/)' /073 /@1' /1' 132' 07Q2 924 7.29 (3 ?)' %7Q1:.' 739 ?)' 5:8G24/5 7/ 7.;2' (3 7 ?:40 ?1.2 4135(92.78 2 H.1H1.J /(13' 7.2 31/ 255 924(929 =P 39 (/ @75 /02 Q1(42 1% 0(5 N 5:8G24/5 7/ 7.;2 0 @0(40 2Q23/:7)' H.131:3429 G:9;?23/ 82/@223 /02 (3;' 739 07.25 1M' 02?(99 2 4 75525 1% 514(2/)' @27.)' 1% /02P 52 %(50 H1 (4)' 739 (351 23/ H.2/235(135 1% /02 17 (/(13' @2.2 %:)' H.2H7.29 /1' .2523/ /02 .2423/ 7//74>5 :H13 /02 .1)7' H.2.1;7/(Q2' 02)' 079 /7:;0/ /02?52 Q2 N1' .2;7.9 1M=5 39(7 ('75 7 507?2%:' 7//2?H/ /1' 52/ :H 73 7..1;73/ (;7.40)' 7/ /02 2MH2352 1% /02 .1@3' @0(2' 13 /02 1/02.' 0739' /02)' 57@' (3 /02 Q(./:25 1% -(//' (3 0(5 9(5(3/2.25/293255' (3 0(5 :3% (340(3;' %1./(/:92 739 %(.?3255' (3 0(5 ;23(:5 739 2 1I:2342' /02 ;2.?5 1% 7 H:.2' @(52' 739 75/(3;' 9?(3(5/.7/(13' 1M' (39229' 079 31' ;.27/2.' 232?)' 31.' @1.52 79Q(52.' /073 0(?52 %' 3 /02 %(.5/ H 742' 8)' 0(5 :337/:.7' 417 (/(13 @(/0 /02

7.' /7301H2=5 (%2 1% -(//' Q1' ('H' Q(' HH239(M /''5 #'H' Q((

1.)' H7./) ' (2' 079' H 7429' 7' 7992.' 7/' /02' %22/' 1%' -(//' @0(40' 2378 29' 0(5')1:3;2.' .(Q7' /1' ?1:3/' /1' 7' 02(;0/' 1%' H1@2.' ?1.2' 925H1/(4' 739' ?1.2' 9:.78 2' /073' 73)' .(/(50' (3(5/2.' 079' 740(2Q29' 5(342' /02' %7 ' 1%' (.' 182./' D 7 H1 2X' 739' (3' /02' 32M/' H 742' 8)' 0(5' /.27/?23/' 1%' /02' (3;' 02' 079' (3Q25/29' 21.;2' /02' 0(.9' @(/0' 7' H1H:7.(/)' %1.' @0(40' 02' 079' 13;' 5(;029' (3' Q7(3' 739' @0(40' 7/' /0(5' H7./(4:7.' H2.(19' 02' 547.42)' 522?5' /1' 07Q2' ?2.(/29' 3I:25/(13J 78)'P /02' 507.2' @0(40' /02' (3;' 079' 079' (3' 5/(% (3;' 1M=5' 39(7' (' 079' 8223' /1' 57)' /02' 275/' 1%' (/' 73' :39(;3(%(29' (%' 31/' 73' :34135/(/:/(137' H.14229(3;' X @0(2' 5/(' ?1.2' .2J H.20235(8 2' @75' /02' H.2%2.2342' @0(40' 02' H:8 (4)' 501@29' %1.' -(//=5' 9?(3(5/(R7/(13' 1Q2.' /07/' 1%' 1M' 739' /02' :>2' 1%' -1./739' 8)' 7 1@(3;' -(//' /1' 413%2.' 31' %2@2.' /073' %1:.' 7.13(25 F' @02.275' 02' 079' .2%:529' /1' /02' D 0(;5' /02' 9(5J H157' 1%' 2Q23' 7' 5(3;2' 41.132/' 02' H.242923/5' @0(40' 02' /0:5' 4.27/29' @2.2' 31/' /02' 255' H.2;373/' @(/0' %:/:.2' 973;2.' /1' /02' 135/(/:/(13' 8247:52' 02' 079' /02' H 27' 1%' 07Q(3;' .242(Q29' ;(B27/' H.1Q147/(13' 1.' 8247:52' 0(5' 4139:4/' 5:852I:23/)' ?2/' @(/0' /02' 7HH.1Q7' 1%' 7' ?7G1.(/)' 1%' 0(5' 5:8G24/5

/' 7' 2Q23/5' 1M' 079' %1.' /02' H.2523/' 7/' 275/' 23/(.2)' %1.%2(/29' 7' 0(5' %1.?2.' 8175/29' H1H:7.(/)X 51' ?:40' 51' /07/' 7/' 7' H:8 (4' ?22/(3;' 7/' D 25/?(35/2.' /02' N' .(239' 1%' /02' H21H 2' O' @75' 74/:7)' 0(5529' 739' ;(F17329' 7/' 8)' 0(5' 1@3' E4135/(/:23/5 %' U %' 57(9' 1Q2.31.' 1035/132' (3' /02R 1:52' 1%' 1??135' /02.2' @2.2' /1' 82' 7' 2 24/(13' %1.' (3;' 02' @1:9' ;(Q2' 0(5' Q1/2' (3' %7Q1:.' 1%' .' 1M' 8:/' 13' /02' 1/02.' 0739' 02' @(5029' /1' H.252.Q2' /02' 135/(/:/(13' %(B1?' /02' 973;2.' @(/0' @0(40' (/' @75' ?237429' 8) 0(5' 39(7' (\' /(' 5/.13;2.' @75

F' 3' /02' V/0' 1%' 73:7.)' !$"S' 01?75' -(//' @75' 4.27/29' 7.13' 7?2%1.9' 1%' 1413314>' (3' 1.3@7 X 13' /02' L*/0' 1%' /02' 57?2' ?13/0' 9@7.9' (1/' @75' 4.27/29' 7.13' (1/' 1%' /' 2.?735X @0(2' 7?15/' 7/' /02' 57?2' /(?2' 23.)' 1.9' 7./2.2/' @75' H.2%2(M29' %.1?' 73' .(50' /1' 73' 3;(50' 7.13)' 739' /02' 7.13)' 1%' 1Q7(31' 1%' 3@(4>' 413%2(' 29' 13' /02' :>2' 1%' 1./0:?82. 739' /1' 9254239' /1' 0(5' 524139' 513]' -7.(' (5/' 1' MM(Q' 41' ##S' ' '5 #' Q1' MM(Q' 41' V,S

/02 73;:7;2 1% 1M=5 41 27;:2 %1. /02 .2H.2523/7/(13 1% KD25/?(35/2. (. 24(D.7) N 47331/0 02 57(9 N 413J 5(5/23/)@(/0 ?)9:/)1. ?)H.(34(H 25 413/.(8:/2 8) ?) Q1/2 /1 .2H 742 (3 7 78(32/ /02 Q2.) (39(Q(9:7 5 @01 8)/02(. 7/2 97.(3;(3Q75(13 1% /02 .(;0/5 739 H.1H2./(25 1% /02(. %2 1@R5:8G24/5 07Q2 8223 51 G:5/)9(5?(5529 8) 0(5 7G25/) 739 51?2 1% @01?1:;0/ /1 07Q2 8223 8.1:;0/ /1 /02 8 14>0 / @75 ?73(%25/ /1 0(? 79929 (. 24(/07/ N/02 Q1(42 1% /02 1:52 1% 1??135 @75 31 13;2. /02 Q1(42 1% /02 H21H 2 1% 3;739 0F / 079 8223 1M=5 8175/ @0(2 5/(7 (3(5/2. 1% /02 .1@3 /07/ 02 1@29 0(5 5(/:7/(13 31/ /1 /02 %7Q1:. 1% 0(5 1Q2.2(;3 8:/ /1 /02 -21H 2 739 7441.9(:;) 31@ /07/ (/ @75 /02 -21H 2 @01 47 29 :H13 0(?/1 .25(;3 0(5 /.(8:3250(H ;(=27/ (39229 ?:5/ 07Q2 8223 0(5 ?1./(%(47/(13 .1?7 H7./5 1% /02 (3;J 91? 99.25525 .274029 /02 (3;/073>(3;0(? %1. 07Q(3; 9(5?(5529 0(5 7/2 :3H.(34(H 29 79Q(52.5% N D2)1:. %7(/0%: 4(/(6235 0 .:35 /02 99.255 1% /02 (/) 1% 13913 N 7/2)8202 9 @(/0 (3%(3(/2 41342.3 /02 H.1;.255 1% 7 ?27J 5:.2 @0(40 2I:7)/23929 /1 234.1740 13 /02 .(;0/5 1%)1:. 7G25/)=5 .1@3 /1 733(0(7/2 /02 407./2.29 .(;0/5 1% /02 75/ 39(7 1?H73) 739 /1 .7(52 7 32@ H1@2.:3>31@3 /1 /0(5 %.22 1Q2.3?23/B739 0(;0)(3(?(47 /1 (/5 57%2/) 5 /0(5 973;2.1:5 ?275:.2 @75 @7.?)5:HH1./29 8))1:. 7G25/)=5 7/2 (3(5/2.5 @2 027./( ).2G1(42 (3 /02(. 9(5?(5J 5(13 739 0:?8)/073>)1:. 7G25/) %1. 2M2./(3;)1:. H.2.1;7/(Q2 (3 7 ?7332. 51 57 :/7.) 739 4135/(/:/(137 'OX Q23 /02 81.1:;0 1% 738:.) %1. @0(40 1.9 1./0 57/ (3 /02 1:52 1% 1??135 523/ :H 73 99.255 /1 /02 (3;/073>(3;0(?%1. /02 9(5?(557 1% /02(. .2H.2523J /7/(Q2

2(/02. @75 /02 32@ %7Q1:. @(/0 @0(40 /02 (3;@75

F D.7M7 =5 (5/ 2?1(.5 Q1 (((HH $L" $L, -7.((5/ Q1 MM(Q 41 SVV / 22 25H24(7)/02 13913 762//25 1% +S/0 +$/0 739 L!5/ 73:7.)X 739 L.9 1/0 739 +S/0 28.:7.) !$"S
(2507?=5 2?1(.5 1% 21.;2 L Q1 (((HH LV!<+

.2;7.929' 413%(329' /1' / (2' %(R(2395' 1%' - .2.1;7/(Q2' 739' /1' / (2' (99 2' 75525' 23' @0152' 1H(3(135' 079' 13;' 8223' 9(7J ?2/.(47)' 1HH1529' /1' /0152' 1%' /02' 1:./' @2.2' 31@' /1' 82' %1:39' 7?13;5/' (/5' 407?H(135' 1.9' 7013' 73' 24423/.(4' 1.9' @01' @1: 9' 7HH7.23/)' 07Q2' 8223' 7' 2Q2 2.' 079' 02' 31/' 8223' 81.3' 7' 318 2' 7..7)29' 0(?52 %' 13' /02' 5(92' 1%' 0(5')1:/0%:' 8.1/02.R(3R 7@' 1.9' 1:3/?1(25' @0152' 4139:4/' 9:.(3;' /02' .(1/5' 1%' !$#,' (5' 57(9' /1' 07Q2' 81.92.29' 13' 0(;0' /.27513 F' 8247?2' 73' 23/0:5(75/' (3' /02' 47:52' 1%' -(//' 7513' /02' H12/' 7/2)' 132' 1%' /02' ?15/' 627 1:5' H.1?1/2.5' 1%' /02' %1..' ?(978 2' 1.>' -7. (7?23/7.)' 2%1.?' 5514(7/(13' NH :3;29 0' (3' /02' @1.95' 1%' 0(5' %.(239' D 7 H1 2' N(3/1' /02' ?15/' H.2H15J /2.1:5' 5:HH1./' 1%' H.2.1;7/(Q2 0' /' @75' /02' 9:/)' 1%' 2Q2.)' 3;(50?73' 02' H.14 7(?29' /1' %)' /1' /02' 7(9' 1%' 0(5' 1Q2.2(;3'%' 02' :>2' 1%' (40?139' /02' 79Q147/2' 1%' :3(Q2.57' 5:%%(R7;2< /02' 7.' 1%' %%(3;07?' @01' 079' 8223' 7' ?15/' 74/(Q2' 1HH1323/' 1%' /02' 1Q2(3?23/' 739' 7.' 7.R' 41:./' @0152' 8175/' (/' :529' /1' 82' /07/' 02' 32Q2.' 7HH27.29' 7/' 1:./' 8:/' 02' @1.2' 7' .(3;' 827.(3;' 7' .2H:8 (473' 5)?81' @2.2' 31@' 7?13;' /02' 1:925/' /1' 924 7(?' 7;7(35/' 1MB' 739' 0(5' H7./)' 75' /02' 232?(25' 1%' /02' 135/(/:/(13' Q23' D(>25' /:.329' 41:./(2.' 739' %(;:.29' 7/' /02' (3;=5' 2Q225' 7/' E/' 7?25=5

F' 22' ' Q1 ' (' H' SSV' 739'

]' 02' 4139:4/' 1%' 7513' 13' /0(5' 14475(13' 9(551 Q29' 73' (3/(?74)' 82/@223' 0(?52 %' 739' D 7 H1 2' @0(40' 079' 75/29' %1.'/@23/)')27.5' 739' Q0(40' @75' 925/(329' 31/' /1' 82' .2Q(Q29' /(' /@2 Q2')27.5' 7%/2.@7.95' @023' 81/0' 1%' /0252' ;(%/29' ?23' @2.2' 327.' /02' Q2.;2' 1%' /02' ;.7Q2' 22' - .' 0 ' Q1 ' (Q' H' !V#' ' 739' Q1 ' Q(((' H' SVV' ' SV,' #

(' 02' 527 R.(3;'(3' I:25/(13' 81.2' /02' 47H' 1%' (82./)' 82/@223' /@1' 97;;2.5' D 7 H1 2' /2 5' :5' /07/' 13' 1.9' 7.41:./' /:.3(3;' 41:./(2.' 02' H.2523/29' /02' .(3;' /1' N' 79)' 2.52)=5' (// 2' 81) 0< N' 1.9' 7.41((./0' @.(/25' D 7 H1 2' N' 079' 8223' 51' 1831M(1:5' /1' /02' 1:./' /07/' @023' 0(5' ?1/02.' 7/2)' 9(29' /02' A:223' 9(9' 31/' 5239' 7' ?2557;2' /1' /02' 1:3/255' /1' 57)' /07/' 502' @1: 9' 47 ' 13' 02.' /01:;0' /0(5' 82' 7 @7)5' 9132' (3' 2/(I:2//2' /1' 7' 1:3/255' 739' 75' 4135/73/)' .2%:529' (3' 41352I:2342' 1.9' 739' 79)' 7.41M(./' 32Q2.' @23/' 327.' /02' 1:./0' 22' - ' 0 ' Q1 ' Q(((' HH' SVV<$' 739 @/4' 739' - ' HH' "!<L' X 9(/(13' 8)' 07.H2' (M' ?13/05' 7%/2.' 1.9' 7.41:./=5' 82(3;' .24134(29' /1' /02' 1:./' $' :;:5/' !$"S Y' 0(5' 1:3/255' @75' 7HH1(3/29' 7' 79)' 1%' /02' 29407?82.' /1' A:223' 07. 1//2' (3' /02' .11?' 1%' /02' :40255' 1%' .;) 2

3‘ /02‘ ?273‘ /(?2‘ 31/@(/05/739(3;‘ /02‘ 78:52‘ 739‘ .(9(4: 2‘ @0(40‘ (3‘ 739‘ 1:/‘ 1%‘ -7. (7?23/‘ @2.2‘ 2Q2 29‘ 7/‘ -(//‘ 0(5‘ H1H: 7.(/)‘ ?1.2‘ /073‘ >2H/‘ H742‘ @(/0‘ /07/‘ 1%‘ /02‘ (3;‘ 3‘ /02‘ 57?2‘ 92;.22‘ /07/‘ 0(5‘ 413/25/‘ @(/0‘ /02‘ 17 (/(13‘ ;.2@‘ ?1.2‘ 739‘ ?1.2‘ 2M4(/(3;‘ /02‘ H:8 (4‘ ;.2@‘ ?1.2‘ 739‘ ?1.2‘ 23/0:5(75/(4‘ (3‘ 0(5‘ 47:52‘ 1‘ 1 132‘ 155‘ %1.‘ (35/7342‘ 1.9‘ 1.3@7 (5‘ @(9/25‘ 28.:7.)‘ !$‘ !$"S < N 02‘ ?755‘ 1%‘ /02‘ H21H 2‘ 7.2‘ 42./7(3)‘ @(/0‘ /02‘ H.2523/‘ (3(5/.)O 739‘ 7;7(3‘ 0(5‘ 1.950(H‘ @.(/25‘ 13‘ /02‘ +L.9 < N -(//‘ .(525‘ 2Q2.)‘ 97)‘ (3‘ 407.74/2.‘ 739‘ 25/(?7/(13‘ 75‘ /1‘ 78((/(25‘ 739‘ 02‘ H15(/(Q2)‘ 924 7.29‘ 13‘ .(97)‘ 3(;0/‘ (3‘ 132‘ 1%‘ /02‘ 825/‘ 5H224025‘ /07/‘ 2Q2.‘ @75‘ ?792‘ /07/‘ 02‘ @1:9‘ 31/‘ .25(;3‘ ‘ 07Q2‘ 31/‘ 9(329‘ @(/0‘ 1.‘ 5223‘ (3‘ H.(Q7/2‘ /02‘ ;.27/‘ H2.5137;2‘ s/02‘ -.(342‘ 1%‘ D 7 25 Z‘)1:‘ (3I:(.2‘ 781:/ 31.‘ ‘ 82 (2Q2‘ 9125‘ 73)‘ 132‘ @01‘ Q1/25‘ 75‘ ‘ 91‘ 3‘ 501./‘ /02.2‘ (5‘ 31/‘ 7‘ ?1.2‘ Q(1 23/‘ 1M(/2‘ /073‘ 0(?‘ (3‘ /02‘ >(3;91? OF‘ ?13;‘ 1/02.‘ 2Q(923425‘ 1%‘ /02‘ 0(;0‘ 25/(?7/(13‘ (3‘ @0(40‘ -(//‘ @75‘ 02 9‘ 8)‘ 0(5‘ %2 1@R41:3/.)?23‘ /02‘ 1.H1.7/(13‘ 1%‘ /02‘ 4(/)‘ 1%‘ 13913‘ :392./02‘ ?15/‘ % 7//2.(3;‘ 4(.4:?5/73425‘ /073>29‘ 0(?‘ %1.‘ 0(5‘ H:8 (4‘ 52.Q(425‘ 739‘ Q1/29‘ 0(?‘ (/5‘ %.2291?‘ (3‘ 7‘ ;1 9‘ 81M‘ 3‘ /02‘ +"/0‘ 1%‘ 28.:7.)‘ 7‘ 92H:/7/(13‘ %.1?‘ /02‘ (/)‘ @7(/29‘ :H13‘ 0(?‘ 7/‘ /02‘ .25(92342‘ 1%‘ 0(5‘ 8.1/02.‘ /02‘ 7.‘ 1%‘ 07/07?‘ (3‘R 2.>2 2)‘ I:7.2‘ 739‘ 7%/2.‘ 07Q(3;‘ H.2J 523/29‘ 0(?‘ @(/0‘ 0(5‘ 32@‘ 0131:.5‘ 7//23929‘ 0(?‘ /1‘ /02‘ 7‘ 1%‘ /02‘ .142.5± 1?H73)‘ %.1?‘ @01?‘ 02‘ 079‘ 7442H/29‘ 73‘ (3Q(/7/(13‘ /1‘ 7‘ ?7;3(%(423/‘ 873I:2/‘ (342‘ /02‘ 97)5‘ @023‘ (.‘ -0((H‘)932)‘ 079‘ 8223‘ ?792‘ %(=22‘ 1%‘ /82‘ 1?H73)‘ 31‘;:25/‘ ?1.2‘ (:5/.(1:5‘ 079‘ 23G1)29‘ (/5‘ 015H(/7(/)‘ 3‘ /02‘ H.2523/‘ ?192.3‘ 07‘ ‘%:R 23;/0‘ H1./.7(/5‘ 1%‘ -(//‘ 739‘ 21.;2‘ /02‘ 0(.9‘ 413/(3:2‘ /1‘ .247‘ ‘ /02‘ 97)5‘ 1%‘ /02(.‘ ;.27/‘ H1H:7.(/)‘ (3‘ !$"S‘ 02‘ H2.513‘ 52 24/29‘ 8)‘ /82‘ 1?H73)‘ /1‘ @2 41?2‘ /02‘)1:/0%:‘ (3(5/2.‘ @75‘ /02‘ 1342‘ .291:8/78 2‘ 92?7;1;:2‘ D(>25‘ -(//=5‘ H.1;.255‘ (3/1‘ /02‘ (/)‘ .252?8 29‘ 7‘ /.(:?HOR

3' 0(5' .2/:.3' 7 51' 7/' 3(;0/' ?73)' 1%' /02' /.7925?23' (3' 22/' /.22/' 739' /02' /.739' (:?(37/29' /02(.' 01:525' @0(2' 7' 7.;2' ?: /(/:92' 1%' H21H 2<%((3;' /02' 7(.' @(/0' /02(.' 4022.5' 739' 0:6675<%1 1@29' /02' 41740' (3' @0(40' 02' 57/' @(/0' 0(5' 8.1/02.' 1.9' 07/07?' 739' 0(5' 8.1/02.' (3' 7@' 1.9' 7013' ' @23/' 13' I:(2/)' /(' /02)' .274029' /' 7?25=5' /.22/' @023' 5:9923)' (/' @75' 41??:3(47/29' /1' /02' 9(541?%(/29' H1 (/(4(735' 7/' .11>5=5' :8' /07/' /02' H1H:J 742' 079' .2?1Q29' /02' 01.525' %.1?' /02' (3(5/2.=5' 41740' 739' @2.2' 781:/' /1' 9.7;' 0(?' H75/' /02(.' @(391@5' (3' /.(:?H0' ' 52.(1:5' 739' 7HH7.23/)' H.2?29(/7/29' 8.2740' 1%' /02' H2742' @75' /02' .25: /' :5/' 75' /02' -.2?(2.=5' 2I:(H7;2' 5/(' 9.7@3' 8)' /02' ?:/(/:92' @75' H755(3;' .11>5=5' 7' 5:9923' 739' %:.(1:5' 135 7:;0/' @75' ?792' :H13' (/' 8)' 7' 819)' 1%' .:%%(735' 7.?29' @(/0' 8 :9;2135' 739' /02' 8.1>23' H1 25' 1%' 52973R407(.5' :?1:.' 2Q23' @0(5H2.29' /07/' 7?13;' /02' 7557(73/5' @2.2' ?1.2' /073' 132' 7.(5/14.7/(4' ?2?82.' 1%' /02' :8' @01' I:(//29' /02' %7.1R/78 2' %1.' /02' H:(BH152' 1%' /7>(3;' 7' H7./' (3' /0(5' 975/7.9)' 7//74>' 3' /02' ?273' /(?2' /02' 911.5' 1%' /02' 47..(7;2' 079' 8223' %1.429' 1H23' 8)' /02' 0(.29' 8: (25' 739' 52Q2.7' 8 1@5' 7(?29' 7/' -(//' @0(40' @2.2' %1./:37/2)' Q7.929' 1%%' 8)' 1.9' 07/07?' 02' (%2' 1%' /02' (3(5/2.' (39229' 522?5'/1' 07Q2' 8223' %1.' 51?2' 5241395' (3' 4135(92.J 78 2' 973;2.' 31.' @75' (/' /(' 7%/2.' 7' 52Q2.2' 413/25/' /07/' 02' 739' 0(5' /@1' .2 7/(Q25' @2.2' 2378 29' /1' 2%%24/' /02(.' 2547H2' (3/1' D 0(/2=5' :8' %/02' /0.22' 1.9' 7013' 522?5'/1' 07Q2' %1:39' /02' ;.27/25/' 9(%%(4:/)' (3' 2M/.(47/(3;' 0(?52 %X<U

N' 0↑ @0)' 7013=5' 9(575/.1:5' %7/2' .241.9c
75↑ 01@' %27.' 473' 4073;2' /02' %(2.425/' 1.9'!
22' /02' 579' 52I:2' 1%' /02' .142.5±/.27/X
201 9' 0(?' 9750(3;' :H' /' 7?25=5' /.22/'!
-2 /29' 739' 547.29' 8)' .11>5=5' 02 (50' 5H./25
39' Q7(3)' % ://2.(3;' .1:39' /02' 911.' 1%' D 0(/2=5 0
>) ' C) #

J? J? ' F' B2' I B2' E@AJ' 2@23?A ?$' DC' J 2' A 0 ?E6

H1.7.(25‘ 81.2‘ 7‘ H7./‘ (3‘ /02‘ 7557: /‘ 13‘ 0(5‘ .(Q7 ‘ (5‘ 7‘ I:25/(13‘ @0(40‘ @2‘ 07Q2‘ 31/‘ /02‘ .:2735‘ 1%‘ 924(9(3;‘ D023‘ 7‘ % 239‘ 01@2Q2.‘ /7M29‘ 0(?‘ @(/0‘ (/‘ 02‘ 31/‘ 13)‘ 2?H07/(47)‘ 923(29‘ /02‘ /.:/0‘ 1%‘ /02‘ 407.;2‘ 8:/‘ H 27929‘ (3‘ H.11%‘ 1%‘ 0(5‘ 23/(.2‘ (33142342‘ /07/‘ 02‘ @c(5‘ (3‘ 829‘ 7/‘ /02‘ /(?2‘@(/0‘ 0(5‘ ?(5/.255‘ .5‘ .?5/279‘ 7%/2.@7.95‘ .5‘ 1M‘ @01‘ @75‘ H.2H7.29‘ /1‘ 5:85/73/(7/2= /02‘ %74/‘ :H13‘ 17/0‘ N‘ 1M=5‘ Q(39(47/(13‘ 1%‘ UO(?52%O‘ 57(9‘ 2@)3‘ K‘.2?(395‘ ?2‘ 1%‘ /02‘ %7Q1:.(/2‘ 92J %2342‘ 1%‘ /02‘ .1;:25‘ 7/‘ /02‘ 87.‘ 1%‘ /02‘ 9‘ 7(W)‘ @01‘ `.5/‘ 1%‘ 7 ‘H 279‘ 73‘ % ‘ 739‘ /023‘ H.19:42‘ /02(.‘ 4134:8(325‘ 75‘ /02(.‘ @(/325525 O‘ F

‘ ‘ ‘ , ‘ <

3\E 5 ,‘ +, ‘ !$"S

N‘ ‘ @75‘ ?:40‘ 0:./‘ 7/‘ 027.(3;‘ 5(342‘ /02‘ .7@(3;‘ 11?‘B 1%‘ /02‘ 1:/.7;2‘ 41??(//29‘ /02‘ 75/‘ 3(;0/‘ :392.‘ /02‘ 7:5H(425‘ 1%‘ .11>5=5‘ 7;7(35/‘ .‘ -(//‘ 13‘ 0(5‘ .2/:.3‘ %.1?‘ /02‘ (/)‘ 8:/‘ 7?‘ Q2.)‘ 07HH)‘ /1‘ %(39‘ 82‘ 2547H29‘ @(/01:/‘ (3G:.)‘ ‘ /.:5/‘ 2Q2.)‘ ?2735‘ @(‘ 82‘ 2?H 1)29‘ /1‘ %(39‘ 1:/‘ /02‘ 782//1.5‘ 1%‘ /0(5‘ s524‘ #2‘ @0(40‘ ‘ 501: 9‘ 01H2‘ ?7)‘ 82‘ ;1/‘ 7/‘ 5‘ ‘ 5:HH152‘ /1?1..1@‘ @(‘ 82‘ 7‘ 7/2‘ 97)‘ 7/‘ /02‘ 1:52‘ 1%‘ 1??135‘ 739‘ 41352I:23/)‘ /07/‘ ‘ 47331/‘ 82‘ @73/29‘ 13‘ :2597)‘ ‘ ?273‘ /1?1..1@‘ 7%/2.‘ 1:./‘ /1‘ ;1‘ /1‘ D(3951.‘ %1.‘ /02‘ 57>2‘ 1%‘ 0:3/(3(.‘ /07/‘ 97)

‘ ‘ ‘

02‘ ;(B27/‘ 413/25/‘ 82/@223‘ -(//‘ 739‘ 1M‘ @75‘ 31@‘ 9.7@J (3;‘ .7H(9)‘ 739‘ 75‘ %7.‘ 75‘ -(//‘ @75‘ 41342.329‘ /.(:?H073/)‘ /1R73‘ 239‘ 02.2‘ 2M(5/29‘ (39229‘ 73‘ 7HH.20235(13‘ 13‘ /02‘ H7./‘ 1%‘ /02‘ (3;‘ 739‘ 0(5‘ (3(5/2.‘ /07/‘ 1M‘ @1: 9‘ 4:/‘ 1%%‘ /02‘ 5:HH (25‘ 8:/‘ 1.9‘ 7013‘G:9;29‘ 1/02.@(52‘ 739‘G:9;29‘ .(;0/)‘ N‘ /‘ -(//=5 O‘ @.(/25‘ D(82.%1.42‘ N‘@2‘ 079‘ 7‘ 13;

F‘ .152=5‘ N (1 O‘ H‘ !,* < D7H1 2‘ 5H27>(3;‘ 1%‘ /02‘ %7?1:5‘ 24/(13‘ %1.‘ D25/a‘ ?(35/2.‘ @0(40‘ /11>‘ H 742‘ 13)‘ 7‘ %2@‘ @22>5‘ 7%/2.‘ /02‘ 7//74>‘ :H13‘ -(//=5‘ H2.513‘ (34(923/7)‘ ?23/(135‘ /02‘ N .(50‘ 407(.?23‘ 82(3;‘ .2/7(329‘ 8)‘ .‘ 1M=5‘ H7./)XO‘ 799(3;‘ (3‘ 7‘ 31/2‘ /07/‘ N 7 ?15/‘ 7‘ ‘/02‘ 074>32)R407(.?23‘ (3‘ 13913‘ @2.2‘ .(50 O‘ 0 ‘Q1‘ Q(((‘ H‘ S#,

R %‘ 7.‘ /7301H2=5‘ (%2‘ 1%‘ -(//‘ Q1‘ (‘ H‘ (M‘ HH239(M

9(54:55(13X' 739' R.2?2?82.' @2 ' /82' ;.27/' H232/.7/(13' 501@29'8)' 1.9' 7813' ^D07/'7?' ' /1' 91y57(9' -(// ^(%'/02)' 5/1H' /82' 5:HH (25'ć≟< 02)' @(' 31/' 5/1H' /02? ≟ 57(9Ƀ 7813' ^(/' (5' /82' Q2.)' /0(3;' @0(40' /02)' @(' 31/' Q23/:.2' /1' 91≟Ơ (' -(//=5' H7/0' 31@' 7)' 4 27.' 82%1.2' 0(? 02' @(591?' 739' %1.25(;0/' @0(40' 02' 079' 9(5H 7)29' (3' .25(5/(3;'/02' (3;=5' 27.325/' 7HH27'/1' 0(?'/1' 9(551 Q2' -7.J (7?23/'079' ;.79:7)' H.19:429' /02' .25: /5' @0(40' 02' 079' 73/(4(H7/29')'92;.225'/02'N'Q(./:1:5'739'.25H24/78 2'?7G1J .(/)'Ơ 1%'/02' 17 (/(13<75' 1M'/01:;0/'H.1H2.'/1'5/) 2'(/\<' ;.2@'5?7 2.'739'5?7 2.'/('13'7';.739'9287/2'13'/02' "/0' 1%' 7.40'/02'3:?82.5'@2.2'.29:429'/1' ')'/0(5'/(?2' /02' :/(3)' ('079'8223'H75529'739'/02' 5:HH (25' Q1/29 D(/0'/02'.279)'4134?.2342'/02.2%1.2'1%'0(5' (3(5/2.5'/02' Ů (3;'.251 Q29'/1'/7>2'/02'52352'1%'/02' 37/(13'739' 7441.9J (3;)'13'/02' +V/0'/02' -7.(7?23/'@75' 9(551 Q29' 1' Q(4/1.)'41:9'82' ?1.2' 41?H 2/2' /073' /07/'@0(40' -(/'079' 740(2Q29' 3'7'-7.(7?23/'1%' 1.9' 1./0=5'1@3' 47 (3;' 739'%(29'@(/0'0(5'(2395'739'%1 1@2.5' 02' 079' 31/' 13)' 5:4422929'(3' 92%27/(3;'0(?' 8:/' 02' 079' 7 51' 92%27/29' 1M' 739'0(5'5H 239(9'H07 73M'1%'2 1I:2342'739'/7 23/' 2'079' %1:;0/'/02?'@(/0'/02(.'1@3'@27H135'739'Q73I:(5029'/02?' :H13'/02(.'1@3'87// 2R%(2 9' N'507 '2Q2.Ơ @.(/25'/02' (3;' 7.',' /1'0(5')1:3;' (3(5/2.'N'@(/0' H 275:.2'4135(92.'/07/'8)'/02' H.:92342'75'@2 ' 75'.24/(/:92'1%' 'H2.513'(3'/02' 1:52'1%' 1?? 135'/0(5';.27/'4073;2'075'8223'2%%24/29X' 739'/07/'02' @(' 82'2Q2.'78 2'/1'.2% 24/'@(/0'57/(5%74/(13'/07/'(3'07Q(3;' 5:HH1./29'?2'02'075'57Q29'/02' 135/(/:/(13</02'?15/' H2.%24/'1%'0:?73'%1.?7/(135Ơ\

02'.25:/'1%'/02' 232.7' 24/(13' 735@2.29'/02' (3;=5' ?15/'573;:(32'2MH24/7/(135' 02' (5523/2.5'Q1/29'7;7(35/' /02(.'1 9'7 (25'/02'D0(;5'739'2Q23'/02' 1.>50(.2' 551R

F' (%2'1%'D(82.%1.42'8)'8(5' 135'Q1 '('H'S,' /' 1M=5' H224025'Q1 '((' H'L"" ' 7.' /7301H2=5' (%2'1%'-(//'Q1 '('H'M' HH239(M

4(7/(13' 924 7.29' 7;7(35/' /02' 17 (/(13' 3' I:7./2.5' @02.2' /02' 1:./' 079' /02' 275/' .(;0/' /1' 2MH24/' 5:44255< (3' 41:3/(25' @02.2' /02' 25/7/25' 1%' /02' D 0(;5' @2.2' /02' ?15/' H.(342)' 739' @02.2' /02(.' (3% :2342' 079' 13;' 8223' H7.7?1:3/< /02' HH1J 5(/(13' %1:39' /02?52 Q25' 5(;37)' 92%27/29' 02' ;.27/' 1?J ?132.' .' 1>2' 15/' 0(5' 2 24/(13' %1.' 1.%1>' 1.9' 103' 7Q239(50' 15/' 0(5' 2 24/(13' %1.' /02' 4(/)' 1%' 1.>' (.' 07.25' :38:.)' @75' 92%27/29' (3' :%%1>' 21.;2')3;' @75' /0.1@3' :/' (3' (99 252M' 739' (.' 21.;2' 7Q(2' @75' :378 2' /1' 8.(3;' (3' 0(5' 32H02@' 739' 02(.' %1.' /02' 41:3/)' 1%' 1.>' 07/' (?H1./73/' 41:3/)' 31/@(/05/739(3;' /02' Q75/' 41:3/2.' (3% :2342' 1%' /02' 7Q239(5025' /02' (/6@((7?5' 739' /02' 1@7.95' .2/:.329' 75' (/5' .2H.2523/7/(Q25' :341?82' /02' 513' 1%' 7' 873>2.' 739' D(82.%1.42' /02' 513' 1%' 7' ?2.4073/' 1%' :' 1M=5' %.(239' 01?75' .23Q(2' @75' 92%27/29' (3' :4 93;07?50(.2' 1/0' /02' 7/2' 2?82.5' %1.' /02' 3(Q2.J 5(/)' 1%' 7?8.(9;2< 735%(2 9' @01' 079' 8223' 1(4(/1.' 232.7' :392.' /02' 7/2' 9?(3(5/.7/(13' 739' /02' 131:.J 78 2' 103' 1@350239' 7/2' 7' 1.9' 1%' /02' 9??7/)<^ %7(29' /1' 18/7(3' /02(.' .2R2 24/(13' 232.7' 13@7)' @75' 92%27/29' 7/' :.)' 739' .5>(32' @75' :378 2' /1' H.14:.2' 7' 527/' (3' 73)' I:7./2.' N' - 23/)' 1%' 879' 32@5' %.1?' 7' I:7./2.5' X' O H3' L' @.(/25' 1M' N' 8:/' 'Y0(3>' /07/' '%22' ?(5%1./:325' @023' /02)' 41?2' /0(4>' 07Q2' /02' 2%%24/' .7/02.' 1%' .1:5(3;' ?)' 5H(.(/5' /073' 5(3>(3;' /02? O' F' 5' 7/2' 75' /02' /@23/)R/0(.9' 97)' 1%' /02' D 25/?(35/2.' 24/(13' 1M' 31/' 13)' 5/119' %7.' 82 1@' 1.9' 119' 13' /02' H1 ' 8:/' 07Q(3;' %2@2.' Q1/25' 2Q23' /073' 0(5' :3H1H:7.' 1HH1323/' (.' 24(' D.7)' @1:9' (3' 7' H.1J 878(/)' 07Q2' 15/' 0(5' 2 24/(13' 8:/' %1.' /02' 1H23' H7./(57350(H' 1%' /02' -.(342' 1%' D 7 25' 739' /02' 74/(Q2' 473Q755' 739' H2.J 5:75(Q2' %754(37/(135' 1%' /02' 827:/(%:' 21.;(737' :40255' 1%' 2Q1350(.2 /' N' D 25/?(35/2.' ;125' 13' @2 O' @.(/25' -(//' /1

F' 7((' :552 =5' 2?1.(7 5' 1%' 1M' Q1(' ((' H' +#$
]' 7:;0/2.' 1%' 103' %(.5/' 7.' H2342.' 3' !$$S' 7/' /02' 7;2' 1%' 52Q23/223' 502' ' 8247?2' /02' @(%2' 1%' D((7?' %(%/O' :>2' 1%' 2Q1350(.2' 02' 2M2./(135' @0(40' /02' :40255' ?192' /1' 524:.2' /0i' .2/:.3' 1%' 1M' %1.' D 25/?(35/2.' 7.2' @ '>31()3' N' .

(. ' □□ ' ' ' '

D (82. %1. 42 ' N (3 5H(/2 1% /02 : 40255 1% 2Q1350(. 2 ' 739 /02 1/02. ' + ' ' U ' F - (//' 0(? 52 %@75 . 2/ : . 329 7/ /02 0279 1% /02 H1 ' %1. ' /02 3(Q2. 5(/) ' 1% 7 ? 8. (9 ; 2 @(/0 1. 9 : 5/13 %1. ' 0(5 41 27 ; : 2 ' N ' 47331/ . 2%. 7(3 0 @. (/25 /02 (3 ; ' /1 0(? ' 13 /02 V/0 1% H. (' N %. 1 ? ' /02 H 275 : . 2 1% 2MH. 255(3 ; ' /1 . ' - (//' 01@ ? : 40 0(5 5 : 44255 7/ 7 ? 8. (9 ; 2 075 ? 792 ? 2 . 2G1(42 ' 75 02 (5 /02 0(; 025/ 13 /02 . 2/ : . 3 ' 739 /07/ 1. 9 : 5/13 (5 0(5 41 27 ; : 2 ' 0(5 . 2392. 5 0(5 2 24/(13 %1. ' /02 3(Q2. 5(/) ' 7 . 27 ' 0131(? ' 739 . 24134(25 ? 2 /1 0(5 07Q(3 ; ' 924 (329 7/0 0 %

32 1% /02 ? 15/ . 2 ? 7. >78 2 %27/ : . 25 1% /02 ; . 27/ 24J /(1322. (3 ; ' 413/25/ 1% ! $ " S @75 /02 %74/ 1% /02 2MR92 ? 7 ; 1 ; : 2 D (>25 82(3 ; ' . 2/ ? B329 75 /02 (3(5/2. (7 ' 4739(97/2 %1. ' /02 41 : 3/) ' 1% (99 252M ' - (// ' 75 @2 07Q2 5223 ' 079 8223 /02 4135/73/ 739 5(342. 2 79Q147/2 1% - 7. (7 ? 23/7.) ' 2%1. ? ' 739 7441. 9(3 ;) ' (/ @75 : H13 /0(5 541. 2 /07/ D (>25 @75 2378 29 /1 H. 255 : H13 /02 . 2201 92. 5 1% /02 41 : 3/) ' /02 2MH29(234) ' 1% 2M/239(3 ; ' 7 ' /02(. ' 5 : HH1. / /1 /02 N Q(. / : 1 : 5) 1 : 3 ; ' (3(5/2. 0 @0152 (82. 7 ' 739 23 (; 0/2329 H. (34(H 25

1M 0 @. (/25 D 7 H1 2 13 /02 ! L/ (1% H. (' N (75 7 ' /02 H1H : 7. (/) ' (3 D 25/ ? (35/2. X 739 ' (39229 ' (5 51 7 ? (78 2 739 @(33(3 ; ' /07/ ' 41 : 9 02 07Q2 5/119 (3 H2. 513 7 ' 1Q2. ' 3 ; 739 ' ' I : 25/(13 @02/02. ' 02 @1 : 9 31/ 07Q2 47. . (29 /02 - 7. (7 ? 23/ ' 02 82 97 ? 5 07/2 0(? X 8 : / ? 15/ 1% /02 H. 2//) ' @1 ? 23 (3 13913 7. 2 (392%7/(; 78 2 (3 ? 7>(3 ; ' (3/2. 25/ %1. ' 0(? ' X /02 : 40255 1% 2Q1350(. 2 (3 H7. /(4 : 7. ' ' 7 ? ' 7507 ? 29 /1 ' 57) ' 01@ 417(52) ' 502 075 8223 ' . 242(Q29 8) ' 51 ? 2 @1. 52 /073 /7. 5 : / ? 2 31/0(3 ; ' 075 5014>29 51 ? : 40 75 @07/ ' 027. 9 /0(5 ? 1. 3(3 ; ' / 1Q2. ' / (2) ' . 175/29 7 H11. ' =' 7 (Q2 8) ' /02 ? 15/ 9(781 (27 ' 7 2 ; 1.) < 7 57Q7 ; 2 ? 2733255 /07/ 73 . 1I : 1(5 41 : 9 31/ 07Q2 41 ? ? (//29 ' 0 - ' 0 ' Q1 ' Q(((' H ' S#, ' : . (3 ; ' (2. ' 473Q755 ' /02 : 40255 ? 792 31 54. : H 2 1% Q(5(/(3 ; ' /02 781925 1% /02 0 : ? 8 25/ 1% /02 2 24/1. 5 ' 9766 (3 ; ' 739 234073/(3 ; ' /02 ? ' 8) ' /02 %754(37/(13 1% 02. ' ? 7332. ' /02 H1@2. ' 1% 02. ' 827 : /) ' 739 /02 (3% : 2342 1% 02. ' 0(; 0 . 73>' 739 51 ? 2/(? 25 47. .)(3 ; ' 1%% /1 /02 0 : 5/(3 ; 5 /02 ? 27325/ ? 24073(4 (3 02. ' 1@3 47. . (7 ; 2 ' N 02 : 40255 1% 2Q1350(. 2 0 @. (/25 1. 9 1. 3J @7 (5 13 /02 ! , /0 1% H. (' N ' (5 (392%7/(; 78 2 (3 02. ' 473Q755 %1. ' 1M ' 02 @75 (3 ' /02 ? 15/ 8 74>; : 7. 9 01 : 525 (3 13 ; ' 4. 2 8) ' 2(; 0/ 1=4 14>' /0(5 ? 1. 3(3 ; 0) 4 ; ' " ')N # ' Q1 ' ! ' H ' !## ' 02 %74/ 1% /02 : 40255 07Q(3 ; ' H : . 407529 /02 Q1/2 1% 73 (? H. 74/(478 2 8 : /402. ' 8) ' 7 >(55 ' (5 57(9 /1 82 : 3I : 25/(1378 2 ' /' @75 ' 13 #31 1% /0252 14475(135 /07/ /02 @2 ' >31@3 41 ? H (? 23/ (5 57(9 /1 07Q2 8223 ? 792 02. ' 8) ' 73 . (50 ? 24073(4 < N ' ') ' 4 , ' ' , ' , #/ 02 : 40255 9(29 (3 7. 40 ! " *# ' 7/ /02 7 ; 2 1% %1. /) R3(32 ' % 1M=5 1@3 473Q755 %1. ' D 25/ ? (35/2. ' 51 ? 2 7 ? : 5(3 ; ' H7. /(4 : 7. 5 @(' 82 %1 : 39 (3 7 . ' B^D /' HH% + *+ <

F (%2 1% D (82. %1. 42 ' Q1 ' ((' H ' #L

] ' 7. ' /7((1H2=5 (%2 1% - (// ' Q10 (' H ' M((' HH239(M

H.1?(529‘/1‘79Q7342‘/02‘825/‘(3/2.25/5‘1%‘/02‘41:3/.) F‘ /‘/02‘ 4 152‘ 1%‘/02‘ 9(%%2.23/‘ 2 24/(135‘(/‘@75‘41?H:/29‘/07/‘ 1%‘ 1M=5 %1.?2.‘%1 1@2.5‘31‘%2@2.‘ /073‘ 132‘ 0:39(=29‘ 739‘ 5(M/)‘ 079‘ %7(29‘/1‘ 18/7(3‘ 527/5‘ (3‘/02‘ 32@‘ -7. (7?23/‘ /‘@75‘/02‘ %750(13‘1%‘/02‘/(?2‘/1‘5H27>‘1%‘/02?‘75‘N‘ 1M=5‘ 7./).5 0‘

02‘32@‘-7. (7?23/‘?2/‘13‘/02‘ !"/0‘1%‘ 7)‘/23‘97)5‘ 82%1.2‘-(//‘079‘41?H 2/29‘0(5‘/@23/)R%(%/0‘)27.‘ D07/2Q2.‘ H1 (/(47‘2..1.5‘1.‘501./41?(3;5‘02‘?7)‘07Q2‘8223‘;:(/)‘1%‘ (3‘/02‘41:.52‘1%‘0(5‘ 7/2.‘47.22.‘02‘079‘7/‘/0(5‘H2.(19‘7/‘ 275/‘740(2Q29‘%1.‘0(?52%‘7‘.2H:/7/(13‘H2.07H5‘/02‘?15/‘ 8.((73/‘(3‘?=1H2‘ 441.9(3;‘/1‘D 7 H1 2‘0(5‘5/.7;; 2‘@(/0‘ 1M‘2M4(/29‘31‘255‘(3/2.25/‘7/‘ ?5/2.97?‘739‘ 2.57(25‘ /073‘(3‘/02‘H.24(34/5‘1%‘ /‘ 7?25=5%‘ N‘ 2‘8247?2 0‘@.(/25‘ 1.9‘ 747:7)‘N‘/02‘;(F27/25/‘?75/2.‘1%‘/02‘@01 2‘7./‘1%‘ -7.(7?23/7.)‘;1Q2.3?23/‘/07/‘075‘ 2Q2.‘2M(5/29X‘7‘;.27/2.‘ /073‘ 13/7;:2‘1.‘D 7 H1 2X‘7‘;.27/2.‘/073‘0(5‘%7/02.‘ 07/J 07?‘1.‘0(5‘.(Q7‘ 1MX‘7‘;.27/2.‘/073‘2(/02.‘1%‘0(5‘(:5/.(1:5‘ 5:442551.5‘ 733(3;‘739‘-22 0X N 1:>31@ 0‘@.(/25‘ 1.9‘ 7./2.2/‘/1‘ 232.7‘ .73/‘N‘/07/‘‘7?‘31/‘H7./(7‘/1‘-(//X739‘)2/‘‘?:5/‘1@3‘/07/‘02‘(5‘(3%(3(/2)‘5:H2.(1.‘/1‘73)/0(3;‘‘2Q2.‘ 57@‘(3‘/02‘ 1:52‘739‘‘924 7.2‘/07/‘ 1M‘739‘ 02.(973‘739‘ 7‘1%‘/02?‘H:/‘/1;2/02.‘7.2‘31/0(3;‘/1‘0(?‘ 2‘@(/01:/‘ 5:HH1./‘1.‘755(5/7342‘735@2.5‘/02?‘7‘@(/0‘2752‘/1‘0(?52%‘ 739‘/02)‘7.2‘G:5/‘407%%‘82%1.2‘/02‘@(39‘/1‘0(?0‘e

22H‘75‘@75‘/02‘(3/2.25/‘@0(40‘ 21.;2‘/02‘ 0(.9‘079‘/7>23‘ (3‘/02‘ 7/2‘ 2M4(/(3;‘ 4139(/(13‘1%‘H1 (/(45‘(/‘079‘ 14475(1329‘ 31‘(3/2..:H/(13‘75‘@(‘82‘5223‘8)‘/02‘%1 1@(3;‘2//2.5‘\! (3‘ /02‘(3/2.25/‘@0(40‘02‘2Q2.‘/11>‘(3‘H:8(4‘8:5(3255‘739‘/02‘ H:8(4‘@2%7.2‘ 1.9‘ 1@2‘@0152‘2//2.‘1H235‘/02‘41.J .25H1392342‘@75‘7/‘/0(5‘/(?2‘(.5/‘ 1.9‘1%‘/02‘ 9?(.7/)

F‘D(>25=5‘ 99.255‘/1‘/02‘ (99 252M‘ 24/1.5‘& ‘ # %1.‘!$"S<#‘H‘+$#]‘ 2//2.5‘Q1‘Q(((‘H‘S$+‘ (‘ (1;.7HO(25‘H‘!$S e‘ 1.3@7 (5‘-7H2.5‘Q1‘(‘H‘+,! ‘ 02‘2//2.5‘%.1?‘ 21.;2‘/02‘ 0(.9‘/1‘ 1.9‘ 1@2‘@0(40‘@(‘%.1?‘/(?2‘/1‘/(?2‘ 02‘(3/.19:429‘(3/1‘/0252‘H7;25‘7.2‘H.(3/29‘2M42H/‘@02.2‘1/02.@(52‘(39(47/29‘%.1?‘ 41H(25‘@0(40‘@2.2‘%:.3(5029‘/1‘/02‘ (;0/‘ 13‘ ‘D‘ .1>2.‘%.1?‘/04GY.(;(37‘2//2.5‘ (3‘31551"5(13R1%‘0(5‘1.950(H‘8)‘/02‘7/1‘B 7.I:(5 1%‘ (;1

Yg) ' I " ' ' ' 8

1 8 $ A' 2 % &C % ' S' !$"L' ' -R L' .

N 1.9 1@2 075 /02 0131: .' /1 5 : 8 ? (/ /1 (5 7G25/)=5 H2. : 57 ' /02 H7H2.5 .242(Q29 /0(5 ? 1.3(3;' 8)' 2MH.255 %.1 ?' 9 ?(.7 ' (.' 01 ? 75 -)2 ' .2 7/(Q2 /1 7 4 7(?' ? 792 (3 /02 37 ? 2 1% /02 .(50 1 : 3/22.5 2 ? 87.>29 (3 /02 50(H5 1% @7.' : 392.' 1.92.5 %1.' /02 75/ 39(25

N 0(5 4 7(?' (5 41351373/ /1 /02 /2. ? 5 : H13 @0(40 /02 .(50 1 : 3/22.5 @2.2 23/2.29 /1 52.Q2 (3 /02 22/X 739 /01 : ;0 1.9 1@2 5225 31 47 : 52 %1.' : 3275(3255 13 /0(5 5 : 8G24/' 02 0 : ? 8)' 5 : 8 ? (/5 /1 (5 7G25/)=5 4135(92.7/(13 ' /02 H.1H.(2/)' 1% 0(5 s 1.9 1@2 ;1(3;' /1 -1./5 ? 1 : /0 /1 ? 1..1@ ? 1.3(3;' (3 0(5 407.74/2.' 1% 1 ? ? 7392.' (3 0(2% 1% /02 07332 ' 22/ ' 739 ' 8)' 9(.24/(135 %.1 ?' /02 9 ?(.7 /) ' /1 522 ' @(/0 /02 4134: . .2342 1% (.' 01 ? 75 -)2 F /07/ H.1H2.' 7//23/(13 (5 079 /1 /02 G : 5/ .2H.2523/7/(135 1% /02 4 7(? 73/5 ' 739 /07/ 9 : 2 1.92.' (5 H.252.Q29 (3 /02 (Q(5({3 1% /02 22/ 7/ /07/ -1./

N % /02 @27/02.' (5 %7Q1: .78 2 %1.' 1.9 1@2 /1 ;1 1%% /1 H(/R 0279 13 /02 97)' 7%/2.' 02 7. .(Q25 7/ -1./5 ? 1 : /0 ' 02 /. : 5/5 02 507 ' 82 78 2 /1 .2/: .3 /1 /1@3 13 .(97) ' 2 : 392.5/7395 /07/ 232.7 ' 13@7)' 075 /7>23 7 ' /02 3242557.)' 5/2H5 @(/0 .2 7/(13 /1 /02 4(.4: ?5/73425 5/7/29 (3 (.' 01 ? 75 -)2=5 2//2.' 41342.3(3;' /02 4139 : 4/ 1% /02 "L.9 2;(? 23/

N 02 (?(/7/(13 %1.' /02 /(? 2 1% 52.Q(42 .2%2. .29 /1 ' (3 /02 4 7(?' 82%1.2 ? 23/(1329 ' (5 2MH.2552 9 (3 7 H.14 7 ? 7/(13 739 31/ (3 73 74/ 1% -7. (7 ? 23/0 %

' 8 ' ' C ' I " #

1' P B ;' > &E 5# @ ' !$"L' U

N 02 (927 1% ;1(3;' /1 ? 1. .1@ /1 -1./5 ? 1 : /0 ' /1 522 /07/ H.1H2.' 7//23/(13 (5 079 /1 /02 G : 5/ .2H.2523/7/(135 1% /02 (R(50 1 : 3/22.5 (5 Q2.)' 8241 ? (3;' 1% 1.9 1@2=5 407(R74/2. ' 739 47331/ 8 : / 82 /02 ? 15/ 2%%(474(1 : 5 ? 2735 1% >22H(3;' /02 C ' 7/ H(/0279 (3 ;119 1.92.X 739 ' 501: 9 (? 7;(32 /07/02 @(' % ' 78 2 %0 ' 239

F 9 ?(.7 ' (.' 01 ? 75 -)2 ' 7/ /0(5 /(? 2 1 ? ? 7392.' (3 0(2% 7/ -1./5 ? 1 : /0 ' 2
9(29 13 /02 +L.9 1% 28. : 7.) ' !$"#' /' ' 1.(;(37

SV# s!$"S

1%/02@22>/1.2/:.3%8:/02H.2523/(551?:40/02?1.2H.255(3;8:5(3255/07/(/42./7(3)47 5?15/25523/(7)%1.0(57//23/(13

1P > &<)U 06;&0IZI&@

N1.9 1@2

N 925(.2)1:@(41?202.2(??29(7/2)

N 0

8 7 ",#2

N P > &>)5 I !$"L H/#-

N %/2./02 9(5413/23/5/07/07Q2 7.(523 7?13;/02 51 J 9(2.5 13/02 5:8G24/1%/02 75/39(25(/(5.7/02./2M/.71.9(37.)/07/73)32;24/501:9 31/(7Q2 8223 H.2Q23/29 8)07Q(3;5:%%(J 4(23/3(132)7/-1./5?1:/0%1.H7)(3;/0152@01 7.2;1(3;13/07/52.Q(42

N 02 1)7 734750(.2 1:3/22.5 82(3;13/02(.?7.40 01?2 5:HH152 23 13@7)@(75 5113 75 H155(8 2 2/02 1./0 1.>50(.2 1:3/22.5 7 51 82;(3/(2(.?7.40(3/1/02 1./0@0(40 @(H.1878)239 73)H.2523/?(5/7>2 75/1/02(.5(/:7/(13

N (. 21.;2 13;2('47?2 5:HH152/11 7/2/1 /7?25=5 /0(5 97)739 075 /02.2%1.2 523/?2 23 13@7)=5 2//2.8:/ 32(/02./02 2/:.35 31./02 (5/1% 241??2397/(135'é 925(.2

F 1.(;(37

232.7 13@7)02 9/02 7HH1(3/?23/1% 1??7392.'(3 0(2%1%/02 1.425%.1?7.40 !$"+/(/02 9(5?(557 1%/02 17 (/(13 (3(5/()(3 242?82.!$"L

02 (;0/ 13 (. 21.;2 13;2 7./ 7/0(5 /(?2 24.2/7.)7/ D7. 739 7%/2.@7.95 5:44255(Q2) 75/2.1%/02 (3/739 1Q2.31. 232.7 1%/02 7H2 1% 119 1H2

é 0(5 H7557;2 7%%1.95%:./02.H 275(3;2Q(92342 1%/02(3/2.25/@0(40 21.;2/02 0(.9 H2.5137)/11>(3/02 4 7(?5 1% 9252.Q(3;?(/7.)1%%(42.5 227G(/1H ++* Y N 3(35/7342 07HH2329/0(5)27.s!$"!2@0(40501@29/02 7//23/(13/02 (3;7@7)5 H7(9/1/02 52.Q(425 739 .2@7.95 1%/02 7.?) 1.9 ?02.5/ /023 1??7392.'(3 0(2%47..(29 0(?7 H74>2/1%?((/7.)41??(55(135/1 82 5(;329X 739/02 (3;%(.5/ 11>(3;1Q2./02 (5/1852.Q29 132 7HH1(3/29 7H/7(3 1Q2.'73 1 9 (2:/2373/ F 1 47331/H:.40752=X 57(9 0(5 1.950(H :/51?2/0(3;(3/02 37?2 5/.:4>/02 (3;739 82%1.2 02 5(;329/02 1??(55(135 02/:.329/1 132 1%?73) 7.;2%1 (15 ") ;4 739 H.2523/)%(39(3;/02 37?2 1%/02 %%(42. @(/0 51?2 ??2?1.739:?1% 0(5H.(Q7/2 (%2 Q2.)?:40/1 0(5 4.29(/02(??29(7/2) 1.92.29 0(?/1 82 H.1?1/29/1/02 Q7473/4H?H73) 'O E 4 ,B F Q1((H L E

232.7' 13@7)' @(' 5239' %1.' / (2?' %.1?' /02' 24.2/7.)' 7/' D7.' 739' 234 152' /02?' /1' ?2

N ' 0F

' 8 ' ' Y) ' I #

' 7 + ' ! " + ' & ' .8+

N' /' 522?5' .7/02.'9(% 4: /'/1' :392.5/739' (.' ' : ;025-%' 7441:3/5' 1%' 0(5' 23;7;2?23/5' 8:/' (/' 7HH27.5' 75' (%' 02' (5' 413/23/29' @(/0' /02' 8207Q(1:.' 1%' /02' %%(42.5' 739' ?23' :392.' 0(5' 41??739' 739' /07/' /02' .2340' 07Q2' 13' 7 ' /0252' 14475(135' .2/(.29X 8:/' '%27.' /02' 0131:.' /07/' 075' 8223' ;7(329' 9125' 31/' 41?H2357/2' %1.' /02' 92%24/5' 14475(1329' /1' /02' ;232.7' 5/7/2' 1%' /07/' 22/' 1.9' 1@2=5' >31@ 29;2' ?:5/' ?7>2' 0(?' 7' ?:40' 82//2.'G:9;2' /073' '473' H.2/239' /1' 82' 739' /02.2%1.2' '@('31/'57)' ?1.2

'

' 8 ' ' Y) ' I #

'P ' > & <) '+ 2 ' .8-

N' 3' 41?(3;' /1' /1@3' /0(5' 97)' ' '%1:39' /02' 81M' 413/7(3J (3;' /02' 2//2.'%.1?' (.' 103' (3957)'é 739' /02' 52Q2.7' 925bH7/4025 %.1?' (42' 9?(.7' 7?8(2.'\\

N 1.9' 1@2=5' (927' 1%' 413Q2)(3;' (3' 7' %.(;7/2' /02' 4.2@' 739' H75523;2.5' /07/' 7H/7(3' %% 24>' ' 075' :4>( )' 57Q29' (5' Q2.)' H.1H2.' 739' /02' 7Q7(' (3;' 0(?52' %' 1%' /02' 1HH1./:3(/)' 1%' ;2///(3;' 42./7(3' (3/2 (;2342' 1%' /02' H.2523/' 5/7/2' 1%' /02' -1./' 1%' 02.81:.;

N ' 0FF

F' ;2./' ' ,"+' %' L,' .(//50' :52:?

]' (42' 9?(.7' (.' 9@7.9' :;025' @75' 7/' /0(5' /(?2' 1??7392.' (3' 0(2%' (3' /02' 75/' 39(25' @02.2' 02' %1:;0/' %(Q2' 573;:(37.)' 23;7;2?23/5' @(/0' /02' .2340' 2' 9(29' 73' 9?(.7' 1%' /02' :2' 13' /02' !,/0' 1%' 28.77.)' !$,S

(' 1.(;(37

é 9?(.7' (.' 103' (3957)' ' 7/' /0(5' /(?2' 1??7392.' (3' 0(2%' (3' /02' 29(J /2..73273' 9(29' 13' /02' S/0' 1%' :32' !$"" ' 2' @75' >3(;0/29' %1.' 0(5' ;7 73/' 4139:4/' 7/' /02' 5(2;2' 1%' 7Q73370

' (41' 9?(.7' (.' 7?25' 7?8(2.' 7/' /0(5' /(?2' 1??7392.' (3' 0(2%' 13' /02' 7?7(47' /7/(13' 9(29' 7' (42' 9?(.7' 1%' /02' 29' 13' /02' "/0' 1%' 73:7.)' !$",

' 7H/7(3' -0((H' %% 24>' 7/' /0(5' /(?2' 7H/7(3' 1%' /02' N .(:?H0 0' ;:7.9R50(H' 7/' -1./5?1:/0' 739' 7%/2.@7.95' 7' 1.9' 1%' /02' 9?(.7/)' 2' 9(29' 73' 9?(.7' 1%' /02' KD0(/2' 13' /02' !,/0' 1%' 1Q2?82.' !$",' D023' (3' 41??739' 1%' /02' N .(:?H00' 02' %1:;0/' 52Q2.7' 52Q2.2' 739' ;7 73/' 74/(135

FF' 1.(;(37

S"" s!$"S

‘8 ‘ ‘Y) ‘I 4 #

N D(‘b c d)‘!$"%‘93 ‘$‘9 ‘

a‘ 02‘ 155‘ 1%‘ /02‘ ^ :H2.82‘= (5‘ 73‘ :3H 27573/‘ 2Q23/‘ /01:;0‘ ‘5:HH152‘ 502‘ @75‘ 51‘Q2.)‘ ?:40‘ @1.3R1:/‘ /07/‘ (%‘ 502‘ 079‘ .2/:.329‘ 502‘ ?:5/‘ 07Q2‘ 8223‘ 8.1>23‘ :H‘ ‘7?‘ 51..)‘ /1‘%(39‘ /02‘ 75/‘ 39(7‘ 1?H73)‘ 413/(3:2‘/02‘ @7.‘ @0(40‘ (%‘ 31/‘ H:/‘ 7‘ 5/1H‘ /1‘ ?:5/‘ 8.(3;‘ /07/‘ @01 2‘ H7./‘ 1%‘ /02‘ ; 182‘ (3/1‘ 7‘ %.250‘ 41?8:5/(13

N ‘ 0F

‘8 ‘ ‘Y) ‘I " #

)\ &? 31‘ ,‘ !$"V‘P‘3B2‘!*‘

N‘ 02‘ 925H7/4025‘ %.1?‘ (.‘ 103‘ (3957)‘ 502@‘ /07/‘ /02‘ 7.87.)‘ /7/25‘ 75‘ %1.?2.)‘ 7.2‘) ‘ G‘ 739‘ ‘%27.‘ (%‘ 51?2‘ 32@‘ ?192‘ 1%‘/.27/(3;‘ /02?‘ 47331/‘ 82‘ 92Q(529‘ @(‘ 01:.)‘ 8241?2‘ @1.52

N‘ (.‘ 07.25‘ 1:;75 T‘ ‘7?‘ 51..)‘ /1‘ 57)‘ >22H5‘ 0(5‘ %1.?2.‘ Q(Q74(/)‘ 1%‘ /2?H2.‘ @0(40‘ ?7>25‘ 0(?‘ H2.07H5‘ 922?‘ @07/‘ 9125‘ 31/‘ 2M74/)‘ 5:(/‘ 0(5‘ (9275‘ 75‘ ?7.>5‘ 1%‘ 32; 24/‘ %.1?‘ 0(5‘ ‘ 739‘ (?H2./(32342‘ %.1?‘ 0(5‘ #

N‘ ‘ 0‘

F‘ ‘1.(;(37

]‘ (.‘ 07.25‘ 1:;75‘ 7./‘ 7/‘ /0(5‘ /(?2‘ 1??7392.‘ (3‘ 0(2%‘ 13‘ /02‘ 1.7‘ 41/(7‘ /7/(13‘ 9(29‘ (3‘ 28.77.)‘ VP$",‘ 2‘ @75‘ 7H/7(3‘ 1%‘ /02‘ 22/‘ (3‘ 1932)=5‘ ;.27/‘ 74/(13‘ 07Q(3;‘ 8223‘ H.2Q(1:5)‘ 4.27/29‘ 7‘ 7.132/‘ %1.‘ 0(5‘ 52.Q(425‘ (3‘ .2 (2Q(3;‘ /02‘ 4(/)‘ 1%‘ A:2824‘ (3‘ !$$#

‘ ‘1.(;(37

J ' H ! " ' ' ' ' Y S ",

- ' &

? H . 1Q2 ? 23/' (3 ' / (1' (3 ; =5' 027 /0' 739' 5H(. (/5' 7%/2 . ' /02' 92%27/' 1%' /02' 17 (/(13 < ' (5' 91 ? 25/(4' (%2 < .5 ' 2 73) =5' 5>2/4025' 1%' /02' 078(/5' 739' 7 ? : 52 ? 23/5' 1%' /02' 1) 7 ' 7 ? ( ) < : Q23(2' 7 ' 7/' : 4>(3 ; 07 ? ' 1 : 52 < .5 ' (99135=5' .7 ? 7/(4' 279(3 ; 5' 7/' 1 : ./ < 5/ . 73 ; 2 ? 23/' 82/@223' /02' (3 ; ' 739' /02' - . (342' 1%' D 7 25 < ' (551 : /2' 4139 : 4/' 739' 2M/ . 7Q7 ; 73/' 078(/5' 1%' /02' - . (341 < 02' - . (342=5' H755(13' %1 . ' .5 ' (/602 . 82 . / < .5 ' (/602 . 82 . /' @(/09 . 7@5' /1' /02' 13/(323/ < 02' . 2/ : . 35' /1' 3 ; 739 ' 739' (5' ? 7 . . (29' /1' /02' - . (342 < 02' ? 7 . . (7 ; 2' > 2H/' 524 . 2/ < 1M ' (3' /02' 1 : 52' 1%' 1 ? ? 135 ' 923(25 ' 13' /02' 7 : /01 . (/) ' 1%' /02' - . (341 ' /07/' 73) ' ? 7 . . (7 ; 2' 42 . 1 ' ? 13) ' 079' /7 > 23' H 742 < 02' - . (342=5' 4139 : 4/' 13' /02' 14475(13 < 135(92 . 7/2' 413J 9 : 4/' 1%' /02' (3 ; ' 739' A : 223' /1@7 . 95' .5 ' (/602 . 82 . /

?' ? 2735' 1%' /02' 5/ . 13 ;' 739' @(52' 1Q2 . 3 ? 23/' @0(40' /02' (3 ;' 739' 0(5') 1 : 3 ;' D 0(;' (3(5/2 . ' . ' - (// ' 079' 413J G1(3/)' 5 : 4422929' (3' 25/78 (50(3 ; ' 02' @75' 2378 29 ' %1 . ' 51 ? 2') 27 . 5' /1' 41 ? 2 ' /1' 23G1)' 73' 2M2 ? H/(13' %. 1 ?' /07/' H7 . /)' @7 . J %7 . 2 ' 739' /0152' H1 (/(47 ' 9(5/ . 25525 ' @0(40' 079' 51' 13 ;' 4024I : 2 . 29' 0(5' 2M(5/2342 < 9(5/ . 25525' 31' 91 : 8/' 7// . (8 : /78 2' (3' H7 . /' /1' 7' 92%24/(Q2' 29 : 47/(13 ' 739' /1' / ` 2' 524 : 5(13' (3' @0(40' /02' 27 . (2 . ') 27 . 5' 1%' 0(5' (%2' 079' 8223' H75529 ' 8 : /' 5/(' ? 1 . 2' 51' /1' /02' 7 ? 8(/(13' 739' (31 . 9(37/2' 92 ? 7395' 1%' /0152' @01' 32(/02 . ' : 392 . 5/119' 0(5' /. : 2' 407 . 74/2 . ' 31 . ' 7HH . 24(7/29' 0(5' ? 73)' 25/(? 78 2' H2 . 5137 ' I : 7 (/(25 ')' 0(5' (391 ? (/78 2' 41 : . 7 ; 2' 739' H2 . 52Q2 . 7342 < 1 . ' 75' 0(5F 232 ? (25' @1 : 9' 925(; J 37/2' (/ ' 8)' 0(5' 91 ; ; 29' 185/(374) < 02' 079' 2%%24/ : 7)' 1Q2 . J 41 ? 2' /07/' ; . 27/' D 0(;' (; 7 . 40)' @0(40' 079' 91 ? (322 . 29' 1Q2 . ' 0(5' ; . 739%7/02 . ' 739' ; . 27/R ; . 739%7/02 . ' 739' @75' 41352J I : 23/)' H2 . ? (//29' %1 . ' 7' 527513' /1' . 2H152' 13' 0(5' 07 . 9)' 27 . 329' 7 : . 2 5

02' (3 ; =5' Q(4/1 .)' 1Q2 . ' /02' 17 (/(13' @75' 31' 51132 . ' 41 ? H 2/29 ' /073' @2' %(39' 0(? ' . 25 : ? (3 ;' 0(5' %1. ??' 37/ : . 7

4022.%: 3255 1% ?7332.' 739 7;7(3 /7>(3;' 73 (3/2.25/ (3 /02 (331423/ 739 9(;3(%(29 23G1)?23/5 1% (%2' ;7(3 @2 %(39 0(?' 7?:5(3;' 0(?52 %@(/0 5:H2.(3/239(3;' 0(5 (?H.1Q2?23/5 7/ D(3951.'739 2@X 7;7(3 ?(M(3;'739 %7?((7.)' 413Q2.5(3;' @(/0 /02 0:?8 25/ 1% 0(5 5:8G24/5 X 92 (;0/(3;' 0(?52 %@(/0 .2 (2Q(3;' 0:?73 9(5/.255 1.' 799(3;'/1'0:?73 07HH(3255' 739' 781Q2 7 ' /0(3;5' /7>(3;' 7 %7/02.=5 H.(92 (3' 739 23G1)(3;' /02 514(2/)' 1% 0(5)1:3;' 739 827:/(%:' %7?( )' 342 ?1.2 @2 %(39 .5' (99135 234073/(3;' /02 .1)7' 4(.4 2' 2(/02.' 7/ :4>(3;07?' 1:52 01.' D(3951.' @(/0 02.' .279(3;5 %.1?' 07>25H27.2 739 1/02.' 9.7?7/(4 @.(/2.5 F 3 /02 ?13/0 1% 7)' !$"V' /02 %7?1:5 ?:5(47' %25/(Q7 5' (3 41??2?1.7J /(13 1% 7392' 7%%1.929 0(?' 1HH1./:3(/(25 7 (>2 1% H7/.13J (6(3;' 739 1% 23G1)(3;' (3 7 ' (/5 ;(R7392:.' /02 7.(1% @0(40 02 @75 ?15/ H755(137/2)' %139' / 132 /(?2 @2 %(39 0(?' 2541./(3;' /02 A:223 739 02.' %7%.' 97:;0/2.5 %.1?' D(3951.' ((;□ ' /1' ;07?' 7425' 739' 7%/2.' 07Q(3;' 23G1)29 7 41 9 41 7/(13 @(/0 /02?' 13 /02 4.1@929 41:.52' .(9(3;' %7?((7.)' 7?13;' 0(5 5:8G24/5' ;7( )' 413Q2.5(3;' 7/ 132 ?1?23/' @(/0 0(5 ' /02 :>2 1% A:223582..)' 1.' @(/0 /02 2.>1% /02 1:.52' 739 7/ 731/02.' ?1?23/ @(33(3;' /02 027./ 1% /02 79)' 7)1.255 8)' 4024>(3;' 0(5 01.52 75 02 H75529 02.' 47..(7;2' 739 799.255(3;' /1' 02.' 7 %2@ @1.95 1% %7//2.(3;' 41:./25)' 1/ ?73)' @22>5 7%/2.@7.95 @2 %(39 0(?' 7 ;:25/ @(/0 /02 A:223 7/ 1.9 7.41:./=5 527/ 7/ :3207?' 739' 13 /02 4/ □' %1 1 Q(3;' 97)' Q(5(/(3;' /02 41 2;25 7/ M%1.9' 7//239(3;' 9(Q(32 52.Q(42 (3 0.(5/ 0:.40 47/029.7' 739 I:(//(3;' /07/ 734(23/ 739 4 755(47' 4(/)' 7?(95/ /02 .(3;(3;' 1% ?73)' 82 5' 5:4422929 8)' 7 8.((73/ (:?(37/(13 .1?' /02 H23 1% .5' 2 70)' @2 413/(3:2 /1' ;273 ?73)' (3/2.25/(3;' 5>2/4025 1% 21.;2 /02 0(.9 75 02 7HH27.29 (3 0(5 514(7' 01:.5 739 91?25/(4 4(.4 2' D 2 473

F 21.;2 /02 0(.9 @75 31/ 13)' 7';.27/ 79?(.2.' 1% .5' (99135=;23(:5 03/ 23/2./7(329 %1.' 02.' H2.5137)';.27/ .2 5H24/ 739 25/22?' 4 Y' 0 ' '< ' + 'Q1 '((' H' !+,

522 0(?.(9(3;1Q2.%.1?D(3951./1((5/.192-7.0 7//23929 13)8)7 5(3;2 2I:23) 739 ?7>(3;7?2395%1.0(5(3Q7J 5(13 1%/02 Q232.78 2 :40255 1%-1./ 739=8.27 %75/RH7.1:. 8)0(5 :37%%24/29 7%%78((/) 739 ;119R37/:.2 1?2/(?25 02 @23/7//23929 8)/02 A:223 739 /02 -.(:425525 @(/0 7 ;7) 41?H73) (3 /02(./(B7(3 N 75/ 0:.597) /02 +39 1% 4/182.0 s!$"LZ @.(/25 [(R5 2 73) N 7 (// 2 82%1.2 /@2 Q2 1=4 14>@1.9 @75 8.1:;0/ /07/ /02 1)7 7?(P @2.2 41?(3;:H /02 -7.>X 739 (??29(7/2)7%/2. /@1 4174025 739 5(M @(/0 /02 (3;13 01.52874>739 7 ;.27/ .2/(3:2 47?2 :H /1 /02 07 911. 02 41?H73) @2.2 /02 (3;739 A:223 -.(34255 1)7 -.(34255 :;:5/7 -.(34255 (6782/0 -.(34255 7.) 739 -.(34255 1H0(7< 7 1Q2);.1:H 7 9.25529 (3 @0(/2 ?:5 (3 H1 131(525 @0(/2 40(H 07/5 @(/0 @0(/2 %27/02.5 2M42H/ /02 A:223 @01 079 13 7 8 74>07/ 739 4 17>X /02 (3;9.25529 (3 0(5 D(3951. :3(%1.?1% 8 :2 739 ;1 9X /02 A:223R 7//23929 8) /02 :40255 1% 3475/2. @01 (5 ?(5/.255 1% /02 .1825 739 79) (6782/0 D7 92;.7Q2 Q01 7//2395 /02 /@1 2 925/ -.(3425525 739 .5 1 95@1./0) @01 (5 5:8R;1Q2.3255 /1 /02 /0.22)1:3;2. -.(3425525 02 (3;079 31 7//239J 7342 8:/ /02 2I:2..(25 7G1. (;8) 739 7G1.-.(42 02) @2.2 (3 /02 9.7@(3;R.11?82%1.2 @75 523/ %1. @02.2 %1:39 /02 (3;739 A:223 739P :40255 1% -1./ 739 527/29 7/7/78 2 (3 /02 ?(99 2 1% /02 .11? 02 (3; @(/0 0(5 :5:7 ;.74(1:53255 47?2 :H /1 ?2 739 8.1:;0/ ?2 %1.@7.9 0

1. @75 /0(5 /02 13) 41:./25) 501@3 13 /02 14475(13 /1 /02 (3/2.25/(3;1 9 79) 02 (3;739 A:223 079 2740 8.1:;0/ 7 ;(%/^%1. 02.X /02 7//2. H.2523/(3;02. @(/0 7 %.7?2 13 7 32@H.(34(H 2 %1. @27Q(3;%.(3;2 739 /02 %1.?2. @(/0 N 7 ;1 9 >31//(3;50:%% 2 0 %2@97)5 7%/2.@7.95 /02 :40255 739 .5 2 73) .2/:.329 /02 .1)7 Q(5(/ N 02.2 @2.2 /@1 407(.5 0 @.(/25 /02 7//2. N 8.1:;0/ (3 8) 1.92. 1% /02(. ?7G25/(25 %1. /02 :40255 1% -1./ 739 739 ?)52 % /1 5(/ 13 @0(40 @2.2 275(2. /073 /0152 82 13;(3;/1

/02' .11?' D 2' @2.2' 527/29' 327.' /02' 911.' /07/' 1H2329' (3/1' /02' 41342./R.11.((' 02' (3;' 9(.24/29' /02?' /1' H 7)' 7392=5' 739' 2?(3(73(=5' ?:5(4' @0(40' 02' @75' ;.74(1:5)' H 27529' /1' 57)' @75' /1' ;(=7/(%)' ?2' 0252' 7.2' %7//2.(3;' 0131:.5' '501: 9'31/' (39: ;2'51'?:40':H13'/0(5'5:8G24/'0:/' /07/' '92H239' :H13')1:.' 4135(92.(3;'(/' H.14229(3;' ?1.2' %.1?';.7/(/:92' /073' Q73(/)' 02' /0.22' 2 925/' H.(3425525' 47?2' (3/1' /02' .11?' (3' 781:/' 07 %'73' 01:.' 7%/2.' @2' @2.2' 527/29'E ' /02' 1)7' 7?()' @2.2' 9.25529' (3' 7' :3(%1.?' %1.' /02'# : ' 1%' 7' Q(1 2/R8 :2' 7.?16(32' @(/0' ;7:62' 7H.135' 02' A:223'079' /02'799(/(13'1%' 7' ;.27/' ?73)'%(32' H27.5' D023' /02' 41342./' 1%' ?:5(4' @75'^1Q2.' /02')1:3;' -.(34255' ?2(7' 3(32' @22>5' 1 9' @75' 523/' %1.' 739' 8.1:;0/' (3' 8)' 02.' 3:.52' 739' 7//23973/5' 02' (3;' /11>' 02.' (3' 0(5' 7.?5' 739' H.2523/29' 02.' /1' /02' :40255' 1%' -1./ 739' 739' /1' ?2' 1:.' 7%%24/(137/2' 027./' @1: 9' 07Q2' 8223' 92 (;0/29' @(/0' /0(5' .1)7' 91?25/(4' 54232'X 73' 2M7?H 2' @1./0)' 1%' (?(/7/(13' 8)' 7 ' .73>5' 739' (39229' 799(3;' 9(;3(/)' /1' /02(.' 0(;0' 5/7/(13 0' (

@1' ?1.2' 41:./RH(4/:.25' 1%'/02' H2.(19< /02' 132' %(=1?' /02' H23' 1%' /02' (/2.7.)' 739' %750(1378 2' .5' 1547@23' 9254.(8(3;' 7' NG:Q23(2' 97342 0' ;(Q23' 8)' /02' A:223' 7/' :4>(3;07?' 1:52' 739' /02' 1/02.' 8)' .5' 2 73)' 413/7(3(3;' 7' 5>2/40' 1%' .5' (99135' 92 (Q2.(3;' 02.' .24(/7/(135' (3' /02' .1)7' 402 2<' 07Q2' 2740' /02(.' (39(Q(9:7' (3/2.25/' N' 75/' 3(;0/ 0' @.(/25' .5' 1547@23' /1' 73370' 1.2' N'/02.2' @75' 7' ' 0 ' 7/' /02' A:223=5' 1:52'X (3' 132' .11?' %1.' 40(9.23' @0(40' @75' 82;:3' 8)' /02' -.(34255' 7.)' 739' 0' -.(34255' (6782/0' ' (3' /02' 57 113' %1.' ;.1@3' ;23/ 2?23' 739' 79(25' Q(6' /0.22' H.(3425525' %1:.' H.(3425' 739' 6 ' # ' ' % ' 1%' 81/0' 52M25' J ' , 0' # #' 0' ' ')' @01?' 02' .73;29' 739' ?7/4029' 739' @75' I:(/2' 92 (;0/29' @(/0' /020' H2.%1.?7342'X .2I:0?;' /02' A:223' /1' 41?2' 739' 522R' 01@

F' .5' 2 73)=5' 2//2.5'/1' .5' .73425' 7?(/13' HH' L!<LV' (%2' 739' 1..2R' 5H1394:44'1%' .5' 2 73)' 29(/29'8)' 79)' 731Q2.'Q1 '(((' HH' !S"<!V*

@2 ‘ /02)‘ 973429‘ 2.‘ 7G25/)‘ 57/‘ 13‘ 7‘ 51%7‘ 82/@223‘ /02‘ :4025525‘ 1%‘ 27:%1./‘ 739‘ 7. 81.1:;0‘ 02‘ (3;‘ /11>‘ 7‘ @1. 9‘ 1%‘ 47.2‘ 1%‘ 0(5‘ (// 2‘ H21H 2X 407.;29‘ 02?‘ 31/‘ /1‘ 9.(3>‘ 73)/0(3;‘ 41 9‘ 739‘ 501@29‘ /02?‘ @02.2‘ /02)‘ ?(;0/‘ 7 @7)5‘ %(39‘ /27‘ n4‘ 3 ‘ 02)‘ 5:HH29‘ Q2.)‘ ' 0‘ 739‘ 92H7./29‘ 781:/‘ 132‘ 02‘ (3;‘ 5/(‘ ;:7.9(3;‘ /02?‘ /1 9‘ /02‘ ?1/02.5‘ /1‘ 47‘ %1.‘ /023‘ 4 17>5‘ 739‘ /1‘ @.7H‘ /02?‘ :H‘ @2‘ 82%1.2‘ /02)‘ @23/‘ 91@3‘ 02‘ 1/02.‘ 87‘ 739‘ %(32‘ 5:HH2.‘ 413/(3:29‘ /(‘ /02‘ 5:3‘ 079‘ 8223‘ :H‘ 51?2‘ /(?2‘ 02‘ -.?42‘ 1%‘ D 7 25‘ @75‘ /02.2‘ ‘ ‘ ‘ ‘ ‘

@(

/‘ @75‘ (3‘ 132‘ 1%‘ /02‘ 7H7./?23/5‘ @0(40‘ @(/325529‘ /0252‘ ;7)‘ %25/(Q(/(25‘ /07/‘ (=5‘ 2 73)‘ (5/2329‘ /1‘ /02‘ 407.?(3;‘ H1@2.5‘ 1%‘ .5‘ (99135‘ N‘ 02(.‘ 7G25/(25 O‘ 502‘ @.(/25‘ N‘ 57/‘ (3‘ /02‘ ?(99 2‘ 1%‘ /02‘ %(.5/‘ .1@‘ @(/0‘ /02‘ -.(3425525‘ 13‘ 2740‘ 0739‘ @0(40‘ %(29‘ (/‘ 02‘ .25/‘ 1%‘ /02‘ 79(25‘ @2.2‘ 527/29‘ (3‘ /02‘ .1@‘ 820(39‘ /02?‘ 739‘ 75‘ /02.2‘ @75‘ 7‘ 5H742‘ 82/@223‘ /07/‘ 739‘ /02‘ @7‘ /02‘ 1.95‘ 739‘ ;23/2?23‘ /07/‘ @2.2‘ 79?(//29‘ 5/119‘ /02.2‘ .5‘ (99135‘ .279‘ 5/739(3;‘ 739‘ 079‘ 7‘ 925>‘ @(/0‘ 4739 25‘ 82%1.2‘ 02.‘ 02‘ 8207Q29‘ @(/0‘ ;.27/‘ H.1H.(2/)‘ 739‘ .279‘ /@1‘ 74/5‘ 1%‘ /02‘ ^ -.1Q1>29‘ :5J 8739 ± ‘ @0(40‘ @75‘ 78.(9;29‘ 8)‘ 27Q(3;‘ 1:/‘ (.‘ .734(5‘ 739‘ 79)‘ D.13;0279=5‘ H7./5‘ n4‘ :/‘ 502‘ (3/.19:429‘ 103‘ 119)=5‘ 7441:3/‘ 1%‘ /02‘ G1?R32)‘ 739‘ .279‘ (/‘ 79?(.78)‘ 02‘ H7./‘ 1%‘ 1.9‘ 739‘ 79)‘ 1@3)=5‘ .24134((7/(13‘ 502‘ @1.>29‘ :H‘ %(32)‘ 739‘ ?792‘ (/‘ Q2.)‘ 7%%24/(3;‘ 02‘ 7 51‘ .279‘ A:223‘ 7/07.(32=5‘ 75/‘ 5H2240‘ (3‘ (3;‘ 23.)‘ /02‘ (;0/0‘ 02‘ @75‘ 7 1@29‘ /0.22‘ H7:525‘ /1‘ ;1‘ (3/1‘ /02‘ 32M/‘ .11?‘ 739‘ .2%.250‘ 02.52 %‘ %1.‘ 07 %‘ 73‘ 01:.‘ 2740‘ /(?2‘ %/2.‘ 502‘ @75‘ 9(5?(5529‘ /02(.‘ ?7G25/(25‘ 92/7(329‘ /02‘ 41?H73)‘ 51?2‘ /(?2‘ /1‘ /7>‘ 1Q2.‘ @07/‘ 079‘ H75529‘ @0(40‘ @75‘ 31/‘ /02‘ 275/‘ 7;.2278 2‘ H7./‘ 1%‘ /02‘ 23/2./7(3?23/‘ ‘ @75‘ 51

F‘ 2?1(.5‘ 1%‘ 7337 (‘ 1.2‘ Q1‘ (‘ H‘ L$!

/‘ 02‘ 41?29)‘ 1%‘ /02‘ N‘ -.1Q1>29‘ :587390‘ @75‘ 41?? 23429‘ 8)‘ (.‘ 103‘ 738.:;0‘ 739‘ 41?H 2/29‘ 7/‘ 0(5‘ 927/0‘ 8)‘ 1 2)‘ (882.‘ /‘ @75‘ %(.5/‘ 74/29‘ 7/‘ .:.)‘ 732‘ (3‘ !$+"

% 7//2.29' 8)' /02(.' ?15/' >(39' .242H/(13' 1%' ?2' /07/' ' .27)' 9(9' 31/' %22' /02' %7/(;:2' 31/@(/05/739(3;' ' 82 (2Q2' (/' @75' H75/' /@2 Q2' 82%1.2' @2' ?792' 1:.' 75/' 41:./25) 0' F

3)' 132' 52.(1:5' 91?25/(4' 9(5/.255' 7/' /0(5' H2.(19' .:%% 29' /02' 1/02.@(52' 2Q23' /231.' 1%' /02' (3;=5' 2M(5/2342' 3J 07HH( )' 31' 7?239?23/' 079' /7>23' H 742' (3' /02' 4139:4/' 1%' 0(5' %(.5/R81.3' /02' -.(342' 1%' D 7 25' 78(/:7' 9(55(H7/(13' 2M/.7Q7;7342' 739' 9(51829(2342' 13' /02' H7./' 1%' /02' 513' 079' 29' /1' 7' 413%(.?29' 41 93255' 739' 413/2?H/' 13' /02' H7./' 1%' /02' %7/02.' /' 075' 8223' 57(9' /07/' /02' (3;' 8207Q29' @(/0' :39:2' 07.503255' /1@7.95' /02' -.(342' X' /07/' 02' @P75 H.132' /1' 2((7;;2.7/2' .7/02.' /073' /1' 2M/23:7/2' ((5' %9:/5' 739' /07/' 02' ?792' 31' 7 1@73425' 2(/02.' %1.' /02' /01:;0/ 2553255' 739' 5:5J 42H/(8((/(25' 1%')1:/0' 1.' %1.' /02' H24:(7.' /2?H/7/(135' 8)' @0(40' /02' -.(342' @75' :3I:25/(1378)' 5:(:3929' 07/' /02.2' ?7)' 07Q2' 8223' 51?2' /.:/0' (3' /0252' 7 2;7/(135' (5' 31/' (?H155(8 2X 8:/' 13' /02' 1/02.' 0739' 2/' (/' 82' .2?2?82.29' /07/' (3' 799(/(13' /1' /02' 9(5/.255' @0(40' /02' -.(342=5' H.(Q7/2' (??1.7 (/(25' 079' 14475(1329' 0(5' %7/02.' 02' 079' 7 51' 8)' 0(5' H1 (/(47' 4139:4/' ';(Q23' 0(?';.27/' 739' 8(//2.' H.1Q147/(13' ' U-.(342' 1%' D 7 25' 75' 1.9' 7?258:.)' /1 9' 0(5' 1)7' (;0J 3255' 1:;0/' /1' 82' H%' 31' H7./)' N 1:' 7.2' /1' 82' ;1Q2.329' (.0' 02' 57(9' N' (3')1:.' 0(;0' 5/7/(13' 8)' 4135(92.7/(135' Q2.)' 9(%%2.23/' %.1?' /0152' @0(40' 7.2' /1' .2;: 7/2' /02' 4139:4/' 1%' 7' 5(?H 2' (39(Q(9:7 OT' 2/' 31/@(/05/739(3;' /0(5' 2M42 23/' 79Q(42' @2' 07Q2' 5223' /02' -.(342' 31/' 13)' %(;:.(3;' 75' 7' H1 (/(47' H7./(573' 82%1.2' 02' @75' /@23/)R132' 8:/' (3' /02' 527513' 1%' /02' (3;=5' ;.27/' 7%% (4/(13' 739' 2?87..755?23/' /0.1@(3;' 7' 0(5' @2(;0/' (3/1' /02' 547 2' (3' 1HH15(/(13' /1' 0(5' E%7/02.=5' 1Q2.3?23/' D 2' 07Q2' 5223' 0(?' /02' (3/(?7/2' 75514(7/2' 1%' ?23' @0152' H1 (/(47' H.(34(H 25' 739' H.(Q7/2' Q(425' @2.2' 2I:7)' 1831M(1:5' /1' /02' (3;X' /02' 423/.2P' 1%' 7' %.(Q1R

' F' 2//2(R5' /1' .5' .73425' 7?(/13' HH' SV<#' (%2' 739' 1..25H' 1%' .5' 2 73)' Q1' (((' H' +VV' +39' 2.(25
/' 1.9' 7?258:.)=5' (7.(25' 739' 1..25H1392342' Q1' ((' H' $V

1:5‘ 4(.4 2‘ (3‘ @ ((4 (‘ 2Q2.)‘ >(39‘ 1%‘ H.1% (;74)‘ @75‘ H.74/(529‘ 739‘ (3‘ @0(40‘ /02‘ 1Q2.2(;3‘ @75‘ /02‘ %7Q1:.(/2‘ 5:8G24/‘ 1%‘ .(87 9‘ G14: 7.(/)‘ 1.21Q2.‘ 079‘ /02‘ -.(342‘ (?(/29‘ 0(5‘ H.1% (;74)‘ /1‘ /02‘ H:.5:(/‘ 1%‘ @(9‘ %.1 (4‘ 739‘ ((4(/‘ 1Q2‘ /02‘ (3;‘ (>2‘ 1/02.‘ %7/02.5‘ ?(;0/‘ 07Q2‘ %1:34-‘2M4:525‘ %1.BO(5‘ 513‘ 739‘07Q2‘ /.:5/29‘ /1‘ /(?2‘ /1‘ .2?29)‘ /02‘ 2Q(‘ :/‘ /02‘ -.(342=5‘ 9(551 :/23255‘ 75‘ 075‘ 8223‘ 7 .279)‘ (3/(?7/29‘ @75‘ 1%‘ 31‘ 1.9(37.)‘ 9254.(H/(13‘ (5‘ (82./(3(5?‘ 7/‘ /0(5‘ /(?2‘ @75‘ 547.42)‘ /02‘ (82./(3(5?‘ 1%‘7‘;23/ 2?73‘ /‘132‘739‘/@23/)‘ 02‘079‘8241?2‘/02‘H.2)‘ 1%‘ ?132)‘ 2392.5‘739‘507.H2.5‘/02‘ 75514(7/2‘ 1%‘H:;((5/5‘ 739‘ G14>2)5‘ ‘ .2;7.9‘%1.‘ /.:/0‘ @75‘ 42./7(3)‘ 31/‘7?13;‘ /02‘ 82//2.‘ I:7 (/(25‘%1.‘@0(40‘0(5‘ 413J /2?H1.7.(25‘ ?7)‘07Q2‘;(Q23‘0(?‘4.29(/

?13;‘/02‘ ?(31.‘1%%23425‘1%‘/02‘ -.(342‘ @0(40‘ @2.2‘ 7‘ 51:.42‘ 1%‘9(5/.255‘ /1‘ /02‘ (3;‘ @75‘ 0(5‘ .24> 255‘ 2M/.7Q7J ;7342‘ /‘075‘8223‘ ?23/(1329‘/07/‘13‘0(5‘41?(3;‘1%‘7;2‘ /02‘ (3;‘079‘ ;.73/29‘ 0(?‘ 73‘ (341?2‘ 1%‘ `V* ***‘7‘ )27.‘ 739‘ /07/‘ -7.(7?23/‘079‘ Q1/29‘ 0(?‘ `#* ***‘ /1‘ H7)‘0(5‘ 928/5‘ 739‘H.1Q(92‘ 0(5‘ 1:/%(/‘)2/‘82%1.2‘02‘ @75‘/0.22‘739‘ /@23/)‘@2‘ %(39‘ 0(?‘ 79?(//(3;‘ /07/‘ 02‘ 1@29‘ `!#* *** F‘ 3‘ /02‘ 9(5/.255‘ /1‘ @0(40‘ 0(5‘ %1)‘ 079‘ .29:429‘ 0(?B‘ 02‘ 51:;0/‘/02‘79Q(42‘1%‘ 1.9‘ 7?258:.)‘ @(/0‘@01?‘02‘079‘ /@1‘ .2?7.>78 2‘ (3/2.Q(2@5‘7/‘ 7./13‘ 1:52‘ 1%‘ 81/0‘ 1%‘ QO(40‘/02‘7441?H (5029‘ 9(H 1?7/(5/‘ 075‘ 82I:27/029‘ :5‘ 73‘ 7441:3/‘ 02‘ %(.5/‘ (3/2.Q(2@‘ /11>‘ H 742‘ 13‘ /02‘ +$/0‘ 1%‘ H.(‘ 02‘ -.(342‘ 13‘ /0(5‘ 14475(13‘ 9254.(829‘ 0(?52 %‘ 75‘ 13‘ /02‘ Q2.;2‘ 1%‘ .:(3‘ 02‘ (3;‘ 02‘ 57(9‘ 079‘ 925(.29‘ 0(?‘ /1‘ 5239‘ (3‘ 73‘ 2 ‘5/7/2?23/‘ 1%‘ 0(5‘ 928/5‘ 739‘ /0(5‘ 02‘ 079‘ 9132‘ /1‘ /02‘ 825/‘ 1%‘ 0(5‘ 78(/)‘ 02.2‘ @75‘ 132‘ 7.;2‘ (/2?‘ 01@2Q2.‘ 1%‘ `+V ***‘ .25H24/(3;‘ @0(40‘ 02‘ 57(9‘ 02‘ %2 /‘ 0(?J 52 %‘ 81:39‘ (3‘ 0131:.‘ 31/‘ /1‘ ;(Q2‘ 73)‘ (3%1.?7/(13‘ 739‘ 41352I:23/)‘ /02‘ 32;1/(7/(13‘ 079‘ 8223‘ 8.1>23‘ 1%%‘ R %‘ (/‘ @2.2‘ 7‘ 928/‘7.;:29‘ /02‘ (3;‘ @0(40‘ 0(5‘ 513‘ @75‘ 7507?29‘ /1‘ 2MH 7(3‘ (/‘ @75‘ 132‘ @0(40‘ 02‘ 75‘ 7‘ %7/02.‘ 1:;0/‘ 31/‘ /1‘ 92%.7)

/' R@75' /02' -.(342=5' 1@3' @(50' 75' 02' /1 9' 1.9' 7 ?25R' b8:.)' /1'.2/.2340' 8)'/.7Q2 (3;'13' N7' H 73' 1%'24131?)'0' 8:/' /02' (3;'079'.2%:529'0(5' 413523/'/1'0(5';1(3;'78.179' 02' (3;'02'79929'079'H 7(3)'/1 9'0(?'/07/':3 255'02' ?7..(29' 02'501: 9'1HH152'73)'7HH27'82(3;' ?792'/1'-7. (7?23/'/1' 755(5/'0(?X' 7/'/02' 57?2'/(?2' Q1 :3/22.(3;'0(5' H7.23/7' 79Q(42'/1'0(?'/1' 7)'8)'`!* ***'7')27.'%1.'/02'H7) ?23/'1%' 0(5'928/5'8)'@0(40' ?2735' 02' @1: 9'82' 2378 29'/1'.2?7(3' (3' 3; 739' :/'01@'23I:(.29'/02' -.(342'473' '91'/0(5' NP7/'7'/(?2'@023'+ ' ' ' 0)' 0' 2 ' ' + ' 0' @' 2' 57@'31' ?2735' 1%'.2 (2%'02' 57(9'8:/'8)' (Q(3;' 78.179' @02/02.' @(/0' 1.' @(/01:/'/02' (3;=5' 413523/' N D07/'7?' '/1' 910 c' 02' 2M4 7(?29' N' ?' '/1'82'.2%:529'/02'.(;0/'1%'2Q2.)'(39(Q(9:7 c' 7331/' '/.7Q2' 2;7)' 75' 7'H.(Q7/2' ?73'@(/01:/'/02' (3;=5' 413J 523/'c' 0' 3'Q7(3' 1.9' 7 ?258:.)' 23927Q1:.29'/1'9(55:792' 0(?'%.1?'/7>(3;'51':39:/(%:' 739'51'5:(4(97'7'5/2H' N' '7?' .:(329 0' .2/1./29'/02' -.(342' N(%' '5/7)'(3' 3; 739X' ' 507' 9(5;.742' ?)52 %' 75' 7' ?73 0' (5' %7/02.' 02'(35(5/29' 07/29'0(?' 2' 079' 07/29'0(?' 02' 57(9' 5(342' 02' 079' 8223'52Q23')27.5' 1 9' 3'Q7(3' 1.9' 7 ?258:.)' 5/.1Q2' /1' 9(5H2' 51' 4.:2' 73' (?H.255(13' %.1?' 0(5' ?(39' 1' %7.' 02' 7.;:29'%.1?'/02' (3;'07/(3;'0(?' 02' @75' 57/(5%(29'/07/'31' 2Q23/'41: 9';(Q2';.27/2.' 07HH(3255' /1' 0(5' 7G25/)' 739' /1' /02' A:223'/073' /1' 82' 78 2' /1' .25/1.2' 0(?'/1' /02(.' 7%%24/(135' /'@1: 9'H.1Q2'7 (>2'/02';.27/25/'8 255(3;'/1'/02'37/(13' 739' /02';.27/25/'41?%1./'/1'/02' 1)7' 7?( )' N' /' ?7)'82'51 0' .2H (29'/02' -.(342' N'8:/' (/' 47331/'82' D 2'7.2'/11'@(92' 75:392.'2Q2.'/1' ?22/' 02' (3;'075'9242(Q29' ?2' 2' 075' ?792' ?2' 9242(Q2' 1/02.5' ' 47331/' /.:5/' 0(?' 739' 02' @(' 31/'82 (2Q2' ?2 0F

02' 524139' 413%2.2342' 82/@223' /02' 9(551:/2')1:3;' -.(342' 739' 1.9' 7 ?258:.)' /11>' H 742' 7/' 7./13' 1:52

13' /02' +L.9' 1%' 7) ')' /0(5' /(?2' /02' -.(342_' %1.' 51?2' .27513' 1.' 1/02.' 079' 787391329' 0(5' (R79Q(529' (3/23/(13' 01%' ;1(3;' 78.179' @0(2' 1.9' Z[(7 ?258: P ≤ 13' 0(5' H7./' 47?2' 7.?29' 52?(R1%%(4(7)' @(/0' 7' H.1H157' 13' /02' H7./' 1%' Z[.' -(//' /1' /02' 2%%24/' /07/' H.1Q(929' /02' -.(342' @1: 9'(.2 (3I:(50' /07/' 925(;3' 739' 7/' /02' 57?2' /(?2' 413523/' /1' 82' .24134(29' /1' 0(5' %7/02.' 739' /1' 7HH.1H.(7/2' 7' H1./(13' 1%' 0(5' ?2735' /1@7.95' /02' (I:(97/(13' 1%' 0(5' 928/5' Z[(3(5/2.5' @1: 9' 1%%2.' 31' 1HH15(/(13' /1' 73' 7HH (47/(13' 82(3;' ?792' /1' -7. (7?23/' /1' (34.2752' 0(5' (341?2' 0(5' (82.7' 1%%2.' 01@2Q2.' (35/279' 1%' 7%%1.9(3;' ;.7/(%(47/(13' /1' /02' -.(342' 75' 1.9' 0 7 ?258:.)' 079' 73/(4(H7/29' @75' ?2/' 13' 0(5' H7./' 8)' 73' (35/73/' 739' 541.3%:' .2G24/(13' /' @75' :52J 255' 02' 57(9' 02' (3;' @1: 9' 32Q2.' 413523/' /1' 73' 7HH27' 82(3;' ?792' /1' -7. (7?23/' 2' 91:8/29' @02/02.' -(//' 41: 9' 2Q2.' 47..)' 5:40' 7' ?275:.2' /0.1:;0' /02' 1:52' 1%' 1.95' 2' 97.2' 31/' 2Q23' ?23/(13' /02' 5:8G24/' /1' /02' (3;' 02' (3;' @1: 9' /:.3' 0(?' 1:/' 1%' 1%%(42' 7/' /02' 87.2' 7 :5(13' /1' 5:40' 7' H.1H15(/(13' @(42' /02' -.(342' .2H27/29' 0(5' %1.?2.' 7552./(13' /07/' 0(5' %7/02.' #' 0(?' 739' @1: 9' 32Q2.' 82' .2J 4134(29' /1' 0(?' N' 25(925 0' 02' 79929' N ' 47331/' 7873913' 07. 25' 739' ?)' %.(2395T 0' 1./:37/2)' 1.9' 7 ?258:.)=5' Q(5(/' 739' H.1H15(/(135' @2.2' ?792' @(/0' /02' %: ' >31@ 29;2' 1%' 1M' 739' /02' :>2' 1%' -1./ 739' 739' 41352I:23/)' 13' /0(5' H1(3/' 7/' 275/' /02' -.(342=5' 7.;:?23/5' [P82.2' 275( )' .2%:/29' 3' 731/02.' H1(3/' 01@2Q2.' /02' -.(342' 522?5' /1' 07Q2' 51?2J @07/' 5/7;;2.29' 1.9' 7 ?258:.)' N' %')1:' @(' 31/' 4.29(/' ?2 0' 02' 57(9' N')1:' @(' H2.07H5' 4.29(/' /02' (3;' 0(?52 % 0' 2' /023' 1H2329' 73' 254.(/1(.2' 739' /7>(3;' %.1?' (/' 7' 41..2J 5H1392342' @0(40' 079' .2423/)' H75529' 82/@223' 0(?' 7H9' /02' (3;' 073929' /02' 2//2.5' /1' 1.9' 7 ?258:.)' 02' -.(342=5' 2//2.5 0' @.(/25' /02' 7//2.' N@2.2' %: ' 1%' .25H24/' 739' 92%2.2342' @.(//23' @(/0' ;.27/' H 7(33255' 1%' 5/) 2' 739' 5(?J H(4(/)' 0152' 1%' /02' (3;' @2.2' 7 51' @2 ' @.(//23' 8:/' 07.50' 739' 52Q2.2X' 4135/73/)' .2%:5(3;' 2Q2.)' .2I:25/' /82

-.(342‘ ?792‘ 739‘ .2H.187/(3;‘ (3‘ 2740‘ 1%‘ /02?‘ 0(5‘ 2M/.7Q7J ;7342‘ 739‘ 9(55(H7/29‘ ?7332.‘ 1%‘ (Q(3;‘ 02)‘ @2.2‘ Q1(9‘ 1%‘ 2Q2.)‘ 2MH.255(13‘ 1%‘ H7.23/7‘ >(393255‘ 1.‘ 7%%24/(13‘ 739‘ 7%/2.‘ 81/0‘ 027.(3;‘ /02?‘ .279‘ 739‘ H2.:5(3;‘ /02?‘ ?)52 %‘ ‘ @75‘ 41?H2 29‘ /1‘ 5:854.(82‘ /1‘ /02‘ -.(342=5‘ 1H(3(13‘ 739‘ /1‘ 413%255‘ /02.2‘ @75‘ (// 2‘ 7HH27.7342‘ 1%‘ ?7>(3;‘ 73)‘ (?H.25J 5(13‘ 13‘ (5‘ 7G25/)‘ (3‘ %7Q1:.‘ 1%‘ (5‘ 1)7‘ (;03255 0‘ D07/2Q2.‘ ?7)‘ 07Q2‘ 8223‘ /02‘ 413/23/5‘ 1%‘ /0152‘ 2//2.5‘ /02‘ -.(342‘ ?1.2‘ /073‘ 0(3/29‘ 7‘ 925(;3‘ 1%‘ H:8 (50(3;‘ /02?‘ (3‘ 1.92.‘ /07/‘ /02‘ H:8 (4‘ ?(;0/‘ G:9;2‘ 82/@223‘ 0(?‘ 739‘ 0(5‘ %7/02.‘ 0(5‘ ?15/‘ (?H.1H2.‘ (3/23/(13‘ 01@2Q2.‘ @75‘ 7/‘ 1342‘ 739‘ Q2.)‘ 232.;2/(47)‘ 1HH1529‘ 8)‘ 1.9‘ 7?258:.)‘ N /‘ (5‘ 31/‘ 5:%%(4(23/‘ (.0‘ 02‘ 57(9‘ N%1.‘ /02‘ (3;‘ /1‘ 82‘ @.13;‘ 13‘ ‘H1(3/‘ :3 255‘)1:‘ 7.2‘ (3‘ /02‘ .(;0/‘ (3‘ # 6‘ 1‘ 13;‘ 02‘ 79929‘ 75‘ 73)‘ H7./‘ 1%‘ /02‘ -.(342=5‘ 4139:4/‘ .2?7(329‘ 1H23‘ /1‘ 4235:.2‘ /02‘ H:8 (4‘ Q1(42‘ @1:9‘ 755:.29)‘ 924(92‘ @(/0‘ /02‘ (3;F

1@2Q2.‘ 07.50‘ ?7)‘ 07Q2‘ 8223‘ /02‘ (3;=5‘ 73;:7;2‘ (3‘ /02‘ 41:.52‘ 1%‘ 0(5‘ 41..25H1392342‘ @(/0‘ 0(5‘ 513‘ /02.2‘ (5‘ 7/‘ 275/‘ /0(5‘ /1‘ 82‘ 57(9‘ (3‘ 0(5‘ %7Q1:.‘ /07/‘ 02‘ 739‘ 1.9‘ 7J ?258:.)‘ H:/‘ Q2.)‘ 9(%%2.23/‘ 4135/.:4/(135‘ :H13‘ /02‘ 5H(.(/‘ 1%‘ /02‘ -.(342=5‘ 2//2.5‘ 1.21Q2.‘ (/‘ @1:9‘ 7?15/‘ 22?‘ 8)‘ /02‘ %1 1@(3;‘ 41??:3(47/(13‘ /07/‘ (35/279‘ 1%‘ 0(5‘ 07Q(3;‘ 8(;1/29)‘ /:.329‘ 7‘ 927%‘ 27.‘ /1‘ 0(5‘ 513=5‘ 51 (4(/7/(135‘ 02‘ @75‘ .279)‘ /1‘ H 742‘ /02‘ 52// 2?23/‘ 1%‘ /02‘ 8:5(3255‘ (3‘ /02‘ 07395‘ 1%‘ -(//‘ 739‘ /02‘ 1.9‘ 07342 1.‘ <

‘ e‘ ‘ , ‘ <

<) ‘+S‘ !$"V

N‘ 0(5‘ ?1.3(3;‘ ‘ .242(Q29‘ /02‘ 234 1529‘ 31/2‘ %.1?‘ 1.9‘ 1:/07?H/13 T‘ 13‘ @0(40‘ ‘ 7HH1(3/29‘ 0(?‘ /1‘ 82‘ 7/‘ /‘ 7?25=5‘ @023‘ ‘ .2/:.329‘ %.1?‘ /02‘ 1:52‘ 1%‘ -22.5‘ 2‘ /02.2‘ 92 (Q2.29‘ /1

F‘ (7.(25‘ 739‘ 1..25H1392342‘ .1 ‘ ((‘ HH‘ $L < #

Ë]‘ 07.25‘ (/6.1)‘ %(.5/‘ 7.13‘ 1:/07?H/13‘ 739‘ 7‘ 232.7‘ (3‘ /02‘ .?)‘ 2‘ 079‘ %1.?2.)‘ 8223‘ .11?‘ 1%‘ /02‘ 29407?82.‘ /1‘ /02‘ (3GP‘ 739‘ 13‘ /02‘ +$/0‘ 1%‘ 242?82.‘ !$"*‘ @75‘ 7HH1(3/29‘ .11?‘ 1%‘ /02‘ /1 2‘ /1‘ /02‘ -.(342‘ 1%‘ D 7 25‘ 2‘ 9(29‘ +!‘ 7.40‘ !$,$

' H! " ' -' ' ' S, ,

? 2' /02' 2//2.'%.1?' /02' - .(342' 1%' D 7 25' ' '41: 9' 41 24/'%: ./02.'
%.H?' 0(?' @75' /07/' /02' (927' (5' /07/' ' 47 ' %1.' 2M Y 737/(135' 739'
.2/.2340? 23/5' 75' 7' ? 192' 1%' 924 (3(3;' 23;7;(3;' /1' H7)' /02' 928/5'X
< /07/' /02.2' 7.2' ? 73)' 5: ? 5' /07/' (/' 47331/' 82' 0131: .78 2' /1' 2MJ
H 7(3X' /07/' 1.9' 1: /07? H/13' 075' .27513' /1' 82 (2Q2' /02)' 07Q2' 31/'
8223' (34: ..29' %1.' H1 (/(47 ' H: .H1525'X /07/' 02' /0(3>5' /02' ;1(3;'
78.179'(5' 31@'%(37)'.251 Q29'13'X /07/' H2.07H5' /02' 407? H(13'1%' /02'
HH15(/(13 's 1MZ' 075' 8223' 4135: /29' 13' /02' 2//2.' 31@' 523/' '
/02.2%1.2' 1342' ? 1.2' 5239' 7 ' /07T' 075' H75529' /1' .' -(// ' 739' 01H2'
/1' 07Q2' (3' /02' 41: .52' 1%' /1? 1..1@' %.1?' 0(?' @07/' 735@2.' 1:;0/' /1'
82' 523/' /1' /0(5' 2M/.71.9(37.)' 2H(5/ 2 ' @0(40 ' ') ' '
P 4 ' ' ') ') ' '4 ,' " ')) # ' 5: HH152'
.' -(//' @(' 401152' /1' 4135: /' /02' 07342 1.
 ' ' '

02.2' @2.2' 275)' ? 2735' 75' /02' - .(342' @75' @2 ' 7@7.2'
8)' @0(40' 02' ?(;0/' 7 (>2' 07Q2' .24134(29' 0(?52 %' /1' 0(5'
%7/02.' 739' 07Q2' 0131: .78)' 2M/.(47/29' 0(?52 %' %.1?' 0(5'
9(%%(4: /(25' /' @75' /02' 27.325/' 925(.2' 1%' 0(5' %7/02.' 75' @2 '
75' 1%' 0(5' %7/02.=5' 5: 8G24/5' /07/' 02' 501: 9' ? 7..)'X 739' 7441.9J
(3;)' 02' 079' 13)' /1' 2MH.255' 7' @((3;3255' /1' ;(F7/(%)' /07/'
925(.2' 739' /02' (3;' 739' /02' 2;(5 7/:.2' @1: 9' 31' 91: 8/'
07Q2' 4022.%:)' 413523/29' /1' (34.2752' 0(5' (341? 2' 739' (I:(9'
97/2' 0(5' 928/5' 5' /0(5' @75' 1.9' 7 ? 258: .)=5' 5/.13;25/'
7.;: ? 23/' 51' @75' (/' /02' 132' @0(40' 02' .252.Q29' /1' /02' 75/'
739' /07/' @0(40' H.1Q29' /1' 82' /02' ? 15/' :3H7 7/78 2' 132' /1' /02'
-.(342' <

1' R ' 7)' ' 5: ;;25/' (.' /02' (927' 1%')1:.' ? 7..)J
(3;'¢ /' @1: 9' ' 501: 9' /0(3>' 82' ? 15/' 7;.2278 2' /1' /02'
(3;'X 739' ' 7?' 42./7(3' ? 15/' ;.7/2%:' /1' /02' 37/(13
1 - '] % ' + ' U' ' 32Q2.' @(? 7..)T'
)'.251 :/(13' (5' /7>23' 13' /07/' 5: 8G24/' ' 07Q2' 52// 29' (/'
@(/0' .292.(4> T' 1'T' ' @(' 32Q2.' ? 7..)
1' R ' (Q2' ? 2' 27Q2' (.' /1' 57)' ? 15/' .25H24/5

F' 7.' /7301H2=5' (%2' 1%' -(//' Q1 ' ('H' MQ(' HH239(M'
/' 02' :>2' 1/' 1.>
U ' '

E%:)' /07/')1:' 47331/' 07Q2' .27)' 41?2' /1' 5:40' 7' .251 :/(13'
1:' " ' ?7..)' (.† 1:' 1@2' (/' /1' /02' 41:3/.)' /1' /02'
(3;' /1')1:.52 %

1' - '] % ' ' 1@2' 31/0(3;' /1' /02' (3;' .292.(4>'
@(' ?7..)' 739' /02' .1@3' @(' 9254239' /1' 0(5' 40(9(=23Ø
739' 75' %1.' ?)52 %' ' 91' 31/' 522' 01@' (/' 7%%24/5' ?2

1' R ' ' (')1:' 7.2' ?7..(29' (.' 739' 07Q2' 40(9.23'
)1:' 07Q2' 31' 51 (9' 01 9' 13' /02' 7%%24/(135' 1%' /02' H21H 2' 2Q23'
@0(2')1:' 7.2' -.(342' 1%' D 7 25' :/' (%')1:' 41?2' /1' /02'
/0.132' 7' 87402 1.' 739' 0(5' .1)7' 0(;03255' /02' :>2' 1%'
1.>'(5' ?7..(29' 739' 075' 5135' /1' 5:44229')1:')1:.'5(/:7/(13'
@023' (3;' @(' 82' ?1.2' H7(3%:' /073' (/' (5' 7/' /0(5' ?1?23/
Ù :.' 1@3' 0(5/1.)' %:.3(5025' 5/.13;' 2M7?H 25' 1%' /02' /.:/0' 1%'
@07/' '57)

N 02' -.(342 0' 413/(3:25' 1.9' 7 ?258:()' N @75';.27/)'
5/.:4>'@(/0'/0(5' 1852.Q7/(13' 2' @7 >29' 781:/' /02' .11?'
7HH7.23/)'73;.)' ' ?1Q29' /1@7.95' /02' 911.'57)(3;<^'
EH2.42(Q2' (.' '07Q2' 57(9' /11' ?:40' 1:' @(' 7 1@' ?2' /1'
@(/09.7@' '7?'5:.2' '507' 82' %1.;(Q23' 73 01:.' 02342 ±
02' -.(342' 7/' 1342' .2 23/29' 1.' 7%%24/29' /1' .2 23/' ^ 1:'
7.2' %1.;(Q23' 31@Ø± 02' 57(9' ^ '7?'73;.)' @(/0' ?)52 %' 31/'
@(/0')1:' 13=/' /P:25/(13' ?2' 73)' ?1.2' 'K@('/0(3>' 1%'
@07/')1:' 07Q2' 57(9' 9(2:'† 19' 8 255')1:†±0' F

D 023' @2' .2?2?82.' 01@' (82.7' 079' 8223' /02' /2.?5'
H.1H1529' /1' /02' -.(342' @2' ?7)' .279()' (?7;(32' 01@';.27/'
@75' /02' 5:.H.(52' 1%' 1M' 739' 1%' /02' -.(342=5' 1/02.'%.(2395'
^@023' 7HH.(629' 1%' /02' (' 5:44255' 1%' 1.9' 7?258:.)=5'
?(55(13† :/' 31/' 2Q23' 1M' (3/(?7/2' 75' 02' @75' @(/0' /02'
02(.' /1' /02' /0.132' @75' 7@7.2' 1%' /02' /.:2' 47:52' 1%' /07/'.2J
G24/(13' 31.' 01@' (// 2' %.73>' /02' -.(342' 079' 8223' (3' 0(5' 413J
%2.23425' @(/0' 1.9' 7?258:.)' 02' %74/'(5' /07/' /02' -.(342'
079' %7 23' H755(137/2)'(3' 1Q2' @(/0' 7' 827:/(%:' 739' 7441?R'
'(5029' @1?73R' /02' 7/2' .5' (/602.82.%' @01' /1' 0(5';.27/

9(557/(5%74/(13' 079' ?792' :H' 02.' ?(39' 31/' /1' 413324/' 02.52 %'
@(/0' 0(?' 75' 0(5' ?(5/.255' 739' @01' @75' H.2Q23/29' 8)' /02'
1)7' 73=(7;2' 4/' %.1?' 8241?(3;' 0(5' 7@%:' @(%2' 1'
/0(5' 7//740?23/' @2' 82 (2Q2' 7.2' /1' 82' /.7429' /02' 5/.13;' 925(.2'
@0(40' /02' -.(342' 079' 2MH.25529' /1' 82' H2.?(//29' /1' .2/(.2' /1'
/02' 13/(323/' 75' @2' 75' 0(5' ?)5/2.(1:5' 925(;3' 1%' 7 1Q93;'
/02' .1@3' /1' 7H52' 8)' 92%7:/' /1' 0(5' 8.1/02.=5' 40(9.23'
HH7.23/)' .5' (/602.82./' @1:9' 07Q2' 1%%2.29' 31' Q2.)'
5/.13;' 1HH15(/(13' /1' 0(5' 51 (4(/7/(135' 079' /02' -.(342' 413J
523/29' /1' ;1' /0.1:;0' /02' ?7..(7;2' 42.2?13)' @(/0' 02.' 2Q23'
/01:;0' 75' 502' ?:5/' 07Q2' 8223' @2' 7@7.2' /02' ?7..(7;2'
@1:9' 31/' 07Q2' 8223' 7' Q7 (9' 132' 739' /023B' 40(9.23' 501:9'
502' 827.' 0(?' 73)' @1:9' /1' 7' @1.9)' 2%%24/5' 739' H:.J
H1525' 07Q2' 8223' (2;(/(?7/2 F' D(/0' /0(5' 41?H.1?(52' 7 51'
/02' -.(342' 0(?52 %' @1:9' H.1878)' 07Q2' 8223' H2.%24/)'
57/(5%(29' 8:/' %1.' /02' %74/' /07/' .5' (/602.82./' @75' 7'
1?73' 7/01 (4' 739' 8)' /02' H.1Q(5(135' 1%' /02' 4/' 1%' 2// 2J
?23/' H75529' 7/' /02' 744255(13' 1%' D((7?' 739' 7.)' 7'
-.(342' 1%' /02' 1:52' 1%' .:35@(4>' 8)' 413/.74/(3;' ?7.J
.(7;2' @(/0' 7' 1?73' 7/01 (4' 9(5I:7 (%(29' 0(?52 %' %1.' 5:4J
4255(13' /1' /02' /0.132' /' ?7)' 82' 7.;:29' /07/' /02' ?7..(7;2'
82(3;' .2392.29' 3:' 739' Q1(9' 8)' /02' H.1Q(5(135' 1%' /02' 1)7'
7..(7;2' 4/' /02' -.(342' @75' /02.28)' .2 (2Q29' %.1?' /02'
H7(35' 739' H237 /(25' (?H1529' 8)' /02' 4/' 1%' 2// 2?23/' 02'
I:25/(13' 01@2Q2.' (5' 132' 13' @0(40' 7@)2.5' 07Q2' 9(57;.229'
739' 41352I:23/)' /02' -.(342' 50.73>' %.1?' (34:..(3;' 51' 415/)'
7' .(5>' /(' 7%/2.' /02' %7(:.2' 1%' 2Q2.)' 1/02.' 2MH29(23/
7.)' 332' ?)/02' @75' /02' 97:;0/2.' 1%' D7 /2.' ?)/02'
5I' 524139' 513' 1%' (.' 103' ?)/02' 7.132/' 1%' 5>2' (3'
/02' 41:3/)' 1%' :.07?' 739' 1%' 4/13' :.32' (3' 0.1H50(.2'
02' @75=81.3' 13' /02' +#/0' :)' !$V#' 739' 7/' /02' 7;2' 1%'
3(32/223' 8247?2' /02' @(%2' 1%' 9@7.9' D2 9' 5I' 1%' :(R

F' /' @75' /02' 1H(3(13' 1%' 132' 1%' /02' -.(342=5' 1@3' 1:34(' (.' ./0:.' -(;1//' /07/' /07'
?7..(7;2' @75' 7' Q7 (9' 132' 22' /02' 4' 2@5H7H2.' %1.' V' H.(' !"L$' X 739' 7 51' 0)#
6 4'+ 4' ' ' 4' ' 7 'L' Q1' +' HH' !+ !L' 9' !"V"R!"#*F

@1./0 75/2 1.52/50(.2 @01 5:.Q(Q29 /02(. :3(13 13)7 %2@ ?13/05 2. 524139 0:58739 @75 01?75 (/602.82./ 5I 1% @(332./13 (3 /7%%1.950(.2 @01 2%/ 02. %1. /0i 524139 /(?2 7 @(91@ (3 !$"! 82%1.2 502 079 41?H 2/29 02. /@23/)R%(%/0)27.

B %7 /02 7//740?23/5 1% 21.;2 /02 1:./0 0(5 H755(13 %1. .5 (/602.82./ @75 7 (>2 /02 275/ 9(5.2H:/78 2 739 /02 ?15/ 75/(3; 2(/02. 02. H2.5137 827:/) 31. 02. 37/:.7 ;23(:5 @2.2 1% /02 ?15/ 8.((73/ 1.92. X)2/ 7441.9(3;/1 /02 :3(Q2.57 /25/(?13) 1% 02. 413/2?H1.7.(25 02. 5/.13;; 119 52352 /02 5@22/3255 1% 02. 9(5H15(/(13 /02 ;.742 1% 02. ?7332.5 /02 %754(37/(13 1% 02. 799.255 02. :37%%24/29 41:./25) /1 7 739 02. 74/(Q2 739 :318/.:5(Q2 8232Q1 2342 (3Q25/29 02. @(/0 407.?5 @0(40 (/ @75 7 ?15/ (?H155(8 2 /1 .25(5/ D023 /02 -.(342 8247?2 237?1:.29 1% 02. (3 /02 5:??2. 1% !$"S 502 @75 .25(9(3; (3 /02 23G1)?23/ 1% 7 4135(92.78 2 G1(3/:.2 13 (40?139 ((3 :..2) X 02. 7;2 82(3; 7/ /07/ /(?2 /@23/)R2(;0/ @0(2 /02 -.(342 @75 13)/@23/)R/@1 441.9(3; /1 02. >(35?73 1.9 /1:.R /13 502 @75 /02 1.(;(37 1% /02 1342 42 28.7/29 87 79 N 02 @22/ 755 1% (40?139 (X0<

N @1: 9 4.1@35 .25(;3 /1 47 02. ?(32
B @22/ 755 1% (40?139 (0F

02 .25(5/7342 @0(40 .5 (/602.82./ 1%%2.29 /1 /02 (P.(342=5 5:(/ 079 31/ 13)/02 :5:7 2%%24/ 1% (34.275(3; 0(5 H755(13 8:/ (?H2 29 0(?/1 .251./ /1 7 Q2.) 2M/.7J 1.9(37.) 2MH29(23/ 32 97) %1. (35/7342 02. 9.7@(3;J .11?(3 -7.> 732 @75 :32MH24/29)(3Q7929 8) 27/2 /02 :.;213 7441?H73(29 8) 1.95 35 1@ 739 1:/0J 7?H/13 739 731/02. %.(239 1% /02 -.(342 @01 @(/0 11>5 1% 4135/2.37/(13 (?H1.29 02. (35/73/) /1 .2H7(.

F 2?1(.5 1% .5 (/602.82./ 8)/02 13 07.25 7((;97 2 H !!$ 25H24/J (3; /02 I:25/(1378 2 7:/01.50(H 1% /0(5%7?1:5 513; 739 /02 (923/(/) 1% /02 79) 42 28.7/29 (3 (/ ! B Q1((H #' 24139 2.(25 739 Q1(M(H +*$(24139 2.(25

@(/0' /02?' /1' 7. /13' 1:52' 02' -.(342' /02)' 57(9' 079' 5/78829' 0(?52%' (5' (%2' @75' (3' (??(323/' 973;2.' 1/0(3;' 8:/' 02.' (??29(7/2' H.252342' (3' 0(5' 5(4>R407?82.' 41: 9'57Q2' 0(5' (%2' 1' Q(5(/' 02.'.1)7' 1Q2.' :37//23929' 8B' 132' 1%' 02.' 1@3' 52M' @75' 1%' 41:.52' 1:/' 1%' /02' I:25/(13' 739' 7441.9(3;)' 502' %2@' %1.' 7(9' 739' 79Q(42' /1' 02.' %.(239' /02' :40255' 1%' 2Q1350(.2' (3' -(4479()' @01' 413523/29' /1' 82' 02.' 41?H73(13' /1' 7. /13' 1:52' 3' /02' /@1' 79(25' 82(3;' (3/.19:429' (3/1' /02' -.(342=5' 7H7./?23/' /02)' %1:39' 0(?' (3' 829' @(/0' 7' ; 755' 1%' 8.739)' 739' @7/2.' 8)' 0(5' 829R5(92' X 0(5' 41:3/237342' H7 2'739' @(/0' 8 119' :H13' 0(5' H2.513' 5' 5113' 75' .5' (/602.82./' 079' .241Q2.29' %.1?' /02' 2?1/(13' @(/0' @0(40' /02' 5(;0/' 079' 1Q2.H1@2.29' 02.' /02' -.(342' 51 2?3)' 924 7.29' /07/' 31/0(3;' 13' 27./0' 501: 9' (39:42' 0(?' /1' (Q2' @(/01:/' 02.X' 7/' /02' 57?2'/(?2' @(/0' 02.'.2:4/73/' H2.?(5J 5(13' H 74(3;' 7' .(3;' :H13' 02.' %(3;2.' 7HH7.23/)' 81..1@29' %(=1?' /02' :40255' 1%' 2Q1350(.2' 739' 413G:.(3;' 02.' /1' 82J 41?2' 0(5' @(%2' 8)' /02' 7@5' 1%' 19' (%' 31/' 1%' ?73' 73)')27.5' 7%/2.@7.95' 1.9' /1:./13' 23I:(.29' 1%' .5' (/6J 02.82./' @02/02.' 502' 82 (2Q29' /02' 8 119' /1' 82' .27)' /07/' 1%' /02' -.(342' 1.' @02/02.' (3' 02.' 1H(3(13' /02' 23/(.2' 79Q23/:.2' @75' 31/' 7'G:;; 2'c' 1' 502' 57(9X /02' @1:39' 079' 2%/' 7' 547.' @0(40' 502' 079' %.2I:23/)' 5223' 3' /02'.2/:.3' 1%' /02' H7./)' /1' 2Q1350(.2' 1:52' 7' 92H15(/(13' @75' 9.7@3' :H' 1%' 7' /07/' 144:..29' @0(40' @75' 5(;329' 739' 527 29' 8)' 2Q2.)' 132' H.2523/' 02' @01 2' 7%%7(.' 01@2Q2.' @75' H.1878)' 7' ?2.2' /6B(4>' 1' (// 2' (?H1./7342' (39229' 9125' .5' (/602.82./' 7HH27.' /1' 07Q2' 7//74029' /1' /02' 914:?23/' /07/' 502' 2%/' (/' 820(39' 02.' 7/' 2Q1350(.2' 1:52' @02.2' 75' 502' /1 9' 1.9' /1:./13' ?73)')27.5' 7%/2.@7.95' 502' /01:;0/' (/' H.1878 2' (/' ?(;0/' 5/(' 82' H.252.Q29' /' 7' 2Q23/5' @02/02.' 91:8/(3;' /02' 5(342.(/)' 1%' 02.'.1)7' 1Q2.' 1.' 2 52' 7 7.?29' 7/' /02' (927' 1%' H:3;(3;' (3/1' 23;7;2?23/5' @0(40' @2.2' 7 (>2' :35:85/73/(7' 739' %.7:;0/' @(/0' H2.5137' H2.(' 502' .251 Q29' /1' 2547H2' %.1?' /02' -.(342=5' %:./02.' (?H1./:3(/(25' 8)' 73' (??29(7/2' %(;0/' /1' /02' 13/(R

323/' 0(5' .251 :/(13' 502' 15/' 31/' 73' 01:.' (3' 47..)(3;'(3/1' 2%%24/' 31.' @75' (/' /(' 781:/' 2(;0/223' ?13/05' 079' 2 7H529' /07/' 502' .2/:.329' /1' 3; 739 F

02')1:3;' -.(342' @75' (3' 925H7(.' 7/' /02' %(;0/' 1%' 0(5' (91 ' ?13;' /0152' /1' @01?' 02' H1:.29' %1./0' 0(5' 51..1@5' @2.2' 07.25' 1M' 739' .5' .?5/279' /1' @01?' 02' %(F2I:23/)' %2@' %1.' 41351 7/(13' 7/' /02(.' 827:/(%:' Q(7' /' 33=5' (' 327.' 02./52)' 3' /0252' 14475(135' 75' .5' .?5/279' /1 9' 1.9' 1 739' 02' :529' /1' @22H' 8)' /02' 01:.'X N'/25/(%)(3;' /02' 5(342.(/)' 739' Q(1 2342' 1%' 0(5' H755(13' 739' 0(5' 925H7(.' 8)' /02' ?15/' 2M/.7Q7;73/' 2MH.255(135' 739' 74/(135X' .1 (3;' 13' /02' %11.' 5/.(>(3;' 0(5' %1.20279' /27.(3;' 0(5' 07(.' %7 (3;' (3/1' 0)5/2.(45' 739' 5@27.(3;' /07/' 02' @1: 9' 7873913' /02' 41:3/.)' %1.2;1' /02' .1@3' 52 ' 0(5' G2@2 5' 739' H 7/2)' 739' 54.7H2' /1J ;2/02.' 7' 41?H2/2342' /1' %)' @(/0' /02' 18G24/' 1%' 0(5' 7%%24/(135' /1' ?2.(47 0' %' 3' /02' ?273' /(?2' /02' -.(342' 413/(3:29' /1' 7557(' 0(5' 78523/' ?(5/.255' @(/0' 27.325/' 739' (3425573/' @.(//23' 23/.27/(25' /1' .2/:.3' /1' 3; 739' 02' H.1?(529' 0(?' (39229' /07/' 502' @1: 9' 32Q2.' 8241?2' /02' @(%2' 1%' 731/02.' ?73' 8:/' (/' @75' 31/' /(' /02' ?13/0' 1%' 242?82.' !$"V' /07/' 502' 413J 523/29' /1' .2/:.3' /1' 3; 739' 739' /023' 13' /02' -.(342=5' 574.29' 755:.7342' /07/' /02' ?7..(7;2' 42.2?13)' 501:9' 82' 51 2?3(629' 82/@223' /02? GX

02' .2R7HH27.7342' 1%' .5' (/602.82./' (3' 13913' 37/:J .7)' 47:529' ;.27/' 7 7.?' /1' 5:40' 1%' /02' -.(342=5' %.(2395' 75' @2.2' 7@7.2' 1%' /02' Q(1 2342' 1%' 0(5' H755(13' 1M' ?1.2Ñ 25H24(7)' 7/' /02' .(5>' 1%' (34:..(3;' /02' 75/(3;' 9(5H 275:.2' 1%' /02' 02(.' /1' /02' /0.132' .2?135/.7/29' @(/0' 0(?' (3' /02' ?15/' 27.325/' 73;:7;2' 13' /02' %1)' 739' ?793255' 1%' 4 (3;(3;' /1' 7' H755(13F'H.2;373/' 7 (>2' @(/0' (39(Q(9:7' :307HH(3255' 75' @2 ' 75' @(/0' /02' ?15/' H2.(1:5' H1 (/(47' 41352I:23425' N 02

U' 2?1(.5' 1%' .5' (/602.82./' 8)' /02' 13' ' 73;93 2' HH' !!"R+*' P. 3552 =5' 2?1.(7 5' 1%' 1M' Q1 '((' H' +$"
/' 1.9' 1 739=5' 2?1(.5' 1%' /02' D 0(; 7./)' Q1 '((' H' !+#
' ' 73;97 2=5' 2?1(.5' 1%' .5' (/602.82./' H' !+!

(3 ; Ø @.(/25' 1M' /1' /02' -.(342' 13' /02' !*/0' 1%' 242?82. ^E31/' %22 (3 ;' %1.')1:' 75' 7' %7/02.' 1:;0/< /02' :>2' 1%' 1.>' H(B1%25529)' 0(5' %7Q1:.(/2' 739' (>2)' /1' 82' ?7..(29' /1' /02' (3 ;=5' @(5025< /02' 37/(13' %:' 1%' (/5' 1 9' H.2G:9(425' 7;7(35/' 7/01 (45' 739' G:5/)' 9.279(3;' 7 ' 9(5H:/25' 781:/' 5:44255(13X < (3' 7 ' /0252' 4(.4:?5/73425')1:.' 232?(25' ?(;0/' /7>2' 5:40' 79Q73/7;25' 75' ' 50:992.' /1' /0(3>' 1% Ø .1?' /02' 407.74/2.' 1%' .5' (/602.82./' 1M' ?7>25' 31' 7//2?H/' /1' 92/.74/' N D(/0' .25H24/' /1' .5' (/602.82./Ø 02' @.(/25' N502' (5' 7' H2.513' @(/0' @01?' ' 07Q2' 547.42)' /02' 0131:.' /1' 82' 74I:7(3/29X 8:/' ' 027.'%.1?' 2Q2.)819)' /07/' 02.' 407.74/2.' (5' (..2H.1740J 78 2' 739' 02.' ?7332.5' ?15/'7?(78 2 Ø 2/' 31/@(/05/739(3;' /0(5' ;.742%:'/.(8:/2' /1' .5' (/602.82./=5' H:.(/)' @2' %(39' 1M' (3' 7' H7557;2' (3' 0(5' 2//2.' /1' /02' -.(342' H7./' 1%' @0(40' 1.9' :552 < 91:8/ 255' 1:/' 1%' 7' H(1:5' 92%2.2342' /1' 1M=5' ?2?1.)' < 075' /01:;0/' (/' H.1H2.' /1' 1?(/' @.(/(3;' 75' %1 1@5< N ' ?14>' ?7..(7;2' %1.' (/' 473' 82' 31' 1/02.' (5' 32(/02.' 0131:.78 2' %1.' 73)' 1%' /02' H7./(25' 31.' @(/0' .25H24/' /1')1:.' 1)7' (;0J 3255' 2Q23' 57%2' 0(5' 7HH27.5' 51' 4 27.' /1' ?2' /07/' (%' ' @2.2' .5' (/602.82./=5' %7/02.' 1.' 8.1/02.' ' @1:9' 79Q(52' 02.' 31/' 8)' 73)' ?2735' /1' 7;.22' /1' (/' #' ' ' 0' ' ' ' + ' 0 ")' ' ' # ' ' ' " ' 0' #' 1' (' HH7.23/)' ((1/0(%(;B41:9' 82' ?1.2' 57/(5J %74/1.)' /1' 1M' /073' /02' -.(342=5' .2H)' N')' 927.' 07. 25 Ø 02' @.1/2' 874>' N')1:.' 2//2.' 1%' 75/' 3(;0/' 7%%1.929' ?2' ?1.2' 24' /(' /.:2' 57/(5%74/(13' /073' ' 473' %(39' @1.95' /1' 2MH.255' 75' (/' (5' 73' 799(/(137' H.11%' /1' ?2' @0(40' ' 755:.2')1:' ' 9(9' 31/' @73/' 1%')1:.' 07Q(3;' /07/' /.:2' .2;7.9' 739' 7%%24/(13' %1.' ?2' @0(40' (/' (5' 31/' 13)' /02' @(50' 8:/' /02' 7?8(/(13' 1%' ?)' (%2' /1' ?2.(/' 7>2')1:.52 %' 275)' ?)' 927.' %.(239† 2 (2Q2' ?2' /02' @1.9' @(' ' 31@' 5113' 82' 413Q(3429' /07/' /02.2' 31/' 13)' (5' s31/Z' 8:/' 32Q2.' @75' 73)' ;.1:39' %1.' /0152' .2H1./5' @0(40' 1%' 7/2' 07Q2' 8223' 51' ?7 2Q1 23/)' 4(.4:7/29' ' 07Q2' 31/

P'F 1.! 1 7:9=5 2?1(.5 1%'/02' D 0(;' QQ/)' Q1' :' HH' !LS' !LV' 2?1.(75 1%
:M' Q1' ((' H' +"L

5223)1: 5(342 /02 7H15/75) 1% 923 0F 2/ 75 Q2 07Q2 G:5/ 5223 .5 (/602.82./ 079 31/ 13) .2/:.329 /1 3;J 739 %1./02 2MH.255 H:.H152 1% 82(3; :3(/29 /1 /02 -.(342 8:/ 13) /23 97)5 7%/2.@7.95 /02 ?7..(7;2 42.2?13) @75 74/:7) H2.%1.?29 82/@223 /02?

(@(/0(3 7 Q2.) .2423/ H2.(19 /02 ?7..(7;2 1% 21.;2 /02 1:./0 @(/0 .5 (/602.82./ @75 9(582 (2Q29 739 923(29 (3 ?1.2 /073 132 0(;0 I:7./2. B 02 -.(342 0(?J 52 % 7%/2./ 02 079 8241?2 (3; 739 @0(2 .5 (/602.82./ (Q75 (Q(3;/1 413/.79(4/ 0(? 079 /02 755:.7342 /1 5H27> 1% ^/07/ 785:.9 5/1.) 0(5 5:HH1529 ?7..(7;2 0% 2/ /02 .27 (/) 1% /02(. :3(13 (5 73 (39(5H:/78 2 132 %/2. 0(5 927/0 7 H2.H2/:7/(13 1% /02 .27 %74/5 1% /02 4752 @75 (3 /0i 1H(3(13 1% .5 (/602.82./=5 %.(2395 9:2 /1 02./.2J H:/7/(13 h39 7441.9(3;) /02 (3;=5 2M24:/1.5 /02 7/2 :>2 1% D2 (3;/13 739 (./ D((7? 3(;0/13 413523/29 /1 H 742 13 .241.9 /02 H.11%5 1% 7 ?7..(7;2 @0(40 /02(./ .1)7 ?75/2./ 079 51 :354.:H: 1:5) 923(29 02 25H1:J 57 5 (/ 7HH27.5 @2.2 51 2?3(629 (3 /02 9.7@(3;R.11? 1% .5 (/602.82./=5 01:52 (3 -7.> 732 13 /02 +!5/ 1% 242?82. !$"V 02 42.2?13) @75 H2.%1.?29 8) 7 -.1/25/73/ 4 2.;)?73 /01:;0 (3 H7./ 7HH7.23/) 7441.9(3; /1 /02 .(/25 1% /02 1?73 7/01 (4 0:.40 02 @(/J 325525 825(925 /02 1%%(4(7/(3; (3(5/2. @2.2 .5 (/602.J 82./=5 8.1/02. 103 ?)/02 739 02. :34 2 23.) ..(3;R /13 1?2 /(?2 7%/2.@7.95 (3 7 527513 1% /0.27/2329 H2.(.5 (/602.82./ 7/ /02 27.325/ .2I:25/ 1% /02 7//25/J (3; @(/325525 ;232.1:5) 413523/29 /1 4:/ 1%% /02 5(;37R /:.25 GX 02 42./(%(47/2 (/52 % 01@2Q2. 827.(3; 02. 1@3 5(;37/:.2 739 /07/ 1% /02 -.(342 < /1;2/02. @(/0 7 2//2.

F 2?1.(7 5 1% 1M Q1 ((HH +"L<S
/ A:7./2.) 2Q(2@ Q1 M4(Q H S+*
/) /02 1)7 7..(7;2 4/ !+ 21 L 4 ! ! Y 7 H2.5135 2(/02. N 51 2?3(6(3;_ 755(5/(3; 1. 82(3; H(R2513/ 0 7/ 73) :37:/01.(629 ?7..(7;2 @(/0 7 925423973/ 21.;2 + (34:..29 /02 H237 /(25 1% /02 5/7/:/2 1% 4 # 6)* 4 4 Q1 ((H SL* 9 !"S"

%.1?' /02' 7//2.' /073>(3;' 27Q23' /07/' /02' @(/325525' @2.2' 5/(' 7 (Q2' /1' /25/(%)' /1' /02' /.:/0 < 7.2' 5/(' H.252.Q29' (3' 7' H 742' 1%' 524:.(/)' F

1' H.1%1:39)' %1.' 7' /(?2' @75' /02' -.(342=5' ?7..(7;2' >2H/' 7' 524.2/' /07/' 2Q23' (3' /02' H7;25' 1%' 51' @2 R(3%1.?29' 7' 413/2?H1.7.)' @.(/2.' 75' 1.742' D 7 H1 2' @2' 9(541Q2.' 31' 7 :5(135' /1' (/' /(' /@1' 1.' /0.22' ?13/05' 7%/2.' (/' 079' /7>23' H 742' 739' /023' 13)' (3' 73;:7;2' 1%' 7' 91:8/%:' 739' ?)5J /2.(1:5' 407.74/2.T')' 92;.225' 01@2Q2.' /02' 7%%7(.' 31/' 13)' 8247?2' 7' /1H(4' 1%' 9(54:55(13' (3' %750(1378 2' 514(2/)' 8:/' (3' 9:2' /(?2' @75' 8.1:;0/' :392.' /02' 31/(42' 1%' -7.J (7?23/' 3' 7HH27' 07Q(3;' 8223' ?792' /1' /02' 1:52' 1% 1??135' /1' (34.2752' /02' -.(342=5' (341?2' 1 2' /02' (3J % :23/(7' ?2?82.'%1.' 2Q1350((R2' (3/(?7/29' (3' 92 (47/2' 8:/' 5:%%(4(23/)' 2MH (4(/' 73;:7;2' /07/' /02' I:25/(13' G2%1.2' /02' 1:52' (3Q1 Q29' 4135(92.7/(135' %7.' ?1.2' 52.(1:5' /073' 7HJ H27.29' 13' /02' 5:.%742X' 4135(92.7/(135' 25523/(7)' 7%(24/RB' (3;' /02' (3/2.25/5' 81/0' 1%' 0:.40' 739' /7/2' 1M' @75' 31/' (3' /02' 1:52' 7/' /02' /(?2' 8:/' 75' 7' %:/:.2' 9(54:55(13

F' 73;97 2=5' 2?1(.5' 1%' .5' (/682.82./' HH' !+!' !++')' ?:/:7' 7;.22?23/' 82/@223' .5' (/682.82./' 739' /82' 2M24:/1.5' 1%' 21.;2' S' /02' %1 1@(3;' 914:?23/5' @2.2' 19;29' 7/' 255.5' 1://5=' /02' 873>2.5' X<

!' '?1./;7;2' 13' /02' -7Q((13' 7/' .(;0/13

+' 02' 42./(%(47/2' 1%' /01' ?7..(7;2' 97/29' 24' +!5/' !$"V

L' ' 2//2.'5(;329' 8)' /02' -.(342' .2 7/(3;'/1' /02' ?7..(7;2

S' '@(' '@.(//23' 8)' 0(?

#' '?2?1.739:?' @.(//23' 8)' .5' (/682.82./' 7//74029' /1' 7' 2//2.'@.(//23' 8)' /02' 2.;)?73' @01' H2.%1.?29' /02' ?7..(7;2' 42.2?13)

0252' 914:?23/5' @2.2' 92H15(/29' (3' 7' 81M' @0(40' @75' 527 29' @(/0' /02' 527 5' 1%' /02' :>2' 1%' D 2 (3;/13' 739' (.' D((7?' 3(;0/13' 75' 2M24:/1.5' 1%' 21.;2' /02' 1:./0' 739' 1%' /02' 7.' 1%' 82?7.2' 739' 1.9' /1:. 13' 75' /02' 31?(3225' 1%' .5' (/682.82./' /' /02' 927/0' 1%' .5' (/682.82./' 7' 5/.13;' 925(.2' @75' 2MH.2552 9' 8)' 1.9' /1:./13' 739' 7%/2.@7.95' 8)' 0(5' .2 7/(Q2' 739' .2H.2523/7/(Q2' /02' 13' 07.25' 73;97 2' /1' 82' 7 1@29' /1' ?7>2' 5:40' :52' 1%' /(2' 914:?23/5' 75' /02)' ?(;0/' /0(3>' 3242557.)' %1.' 25/78 (50(3;' 1342' %1.' 7' /02' %7(.' %7?2' 1%' /02(.' >(35@1?73' 1354(23/(1:5' 9(%%(J 4:/(25' 01@2Q2.' @2.2' .7(529 < (3' /02' %(.5/' H 742' 8)' /02' :>2' 1%' D 2 (3;/13' 739' 7%/2.@7.95' 8)' /02' /13' 739' 2Q' 9@7.9' 2HH2' 75' 2M24:/1.' 1%' /02' 7.' 1%' 82R' 3(7.2' 739' 41352I:23/)' /02' 527 5' (/' (5' H.25:?29' 5/(' '.2?7(3':38.1>23' 0 h' < 4 ' ' < # E Q 5 ' HH' "+<L' "#<$' !*+<S' 0 ' I h' < 4 ' Q1 '((' H' !+S

/' 2//2.5/1' 7:3 97/29' !L' 28' 739' +'' 7.40' !$"#' D7 H1 2=5' 2//2.5' Q1 ' (M' HH' S+' S#

@75' ?73(%25/)' :37Q1(978 2' 0(5' 7852342' @75' 1%' 31' ;.27/' (?H1./7342' 3' /02' ?273' /(?2' /02' 52 %R@(29' -.(342' %1:39' 0(?52 %' H 7429' (3' 7' ?15/' :323Q(78 2' H15(/(13' 02' ://2.' .:(3' 1%' 0(5' H24:3(7.)' H.15H24/5' H2.07H5' /02' 155' 1%' /0.22' >(3;91?5' ?(;0/' 82' /02' 41352I:23425' 1%' 74>31@J 29;(3;' 0(5' ?7..(7;2' @(/0' 7' 1?73' 7/01(4' 3' /02' 1/02.' 0739' 7' H:8(4' 923(7' 1%' /02' /.:/0' @1:9' 31/' 13)' 8 75/' /02' .2H:/7/(13' 1%' /02' @1?73' @01?' 02' 079' 5@1.3' /1' %15/2.' 739' 1Q2' 8:/'(3' /02' 2Q23/' 1%' (/5' /.735H(.(3;' 02' @1:9' 5/739' 413Q(4/29' 1%' 82(3;' ;:(/)' 1%' 7' H(/(%:' %7 520119' 0.22' 97)5' 01@2Q2.<%.1?' /02' +$/0' /1' /02' L*/0' 1%' H.(<P@2.2' 7 1@29' 0(?' %1.' 92(82.7/(13' 739' (3' /07/' (3/2.Q7' 02' 5:??1329' 1M' /1' 7./13' 1:52' D07/J 2Q2.' ?7)' 07Q2' 8223' /02' H7./(4:7.5' 1%' /02((F' 413Q2.57J /(13' 1M F'@023' 02' I:(//29' /02' -.(342=5' H.252342' I:(//29' (/' 7.?29' @(/0' /02' 51 2?3' @1.9' 1%' 0(5' 1)7' (;03255' /07/' /02' 42.2?13)' 1%' ?7..(7;2' 079' 32Q2.' 8223' 51 2?3(629' 82/@223' .5' (/602.82./' 739' 0(?52 %' 739' 7441.9(3;)' 02' 079' /02' ;.7/(%(47/(13' 1%' 82(3;' 78 2' /1' 755:.2' 7' 4.1@929' 739' 922H)R(3/2.25/29' 1:52' 1%' 1??135' /07/' 31/' 13)' @75' /02.2' 31' /.:/0' (3' /02' .:?1:.' 1%' /02' -.(342' 1%' D 7 25=5' ?7.J .(7;2' 8:/' /07/' (/' @75' (3' %74/' 7' N' ?135/.1:5' 47 :?3) 0' F' /' @75' 7' N' ?(52.78 2' 47 :?3) 0' 02' .2H27/29X 7' N' 1@' ?7(4(1:5' %7 520119' 0' 47 4:7/29' 13)' /1' 9242(Q2' 739' /1' 7%%1.9' %119' %1.' 547397' /1' /02' Q:;7.' 2(3;' 75>29' 8)' 1 2' @02/02.' 02' 079' 5H1>23' %.1?' 9(.24/' 7:/01.(/)c<N' 25 0' 02' 57(9' 02' 079' 5H1>23' %.1?' N' # ' " 0 % ' MH (4(/' 01@2Q2.' 75' @75' /0(5' 924 7.7/(13' 1 2' H2./(374(1:5)' .2%:529' /1' .2J /.74/' 0(5' @1.95' 739' 41352I:23/)' /02.2' @2.2' ?73)' H2.5135

F' 3' /02' I:25/(13' 1%' /02' -.(342=5' H.(Q7/2' 923(7' 1%' 0(5' ?7..(7;2' /1' 1M' 522' 0 ' 6 =4 ' + " ' ' ' 4 ' ' 7 ' L' Q1(' ((' HH' !!' n4' 9' !"V"<#*' 02' -.(342=5' 73;:7;2' /1' 1M' 57(9' 21.;2' 2@)0'.2?(3929' 0(?' 1%' /02 1=5' @1.95' /1' 7;1'X<

N' (7(3' 02' 5:.2')1:' H.1Q2' ?)' 1Q2' 7' @RRRR TO

&)* ') ' Q1(' (' H' S+L' < '

/' 1M=5' H224025' Q1(' (3' HH' L+# <$

@0 ' S# Z v ' ' ' ' *,

@01' 2(/02.' 82 (2Q29 ' 1.' 7%%24/29' /1' 82 (2Q2 R' /07/' 1M' 079' 92 (82.7/2)' 574.(%(429' 0(5' .25H24/' %1.' /.:/0' %1.' /02' H:(=H152' 1%' 50(2 9(3;' /02' 02(.' /1' /02' /0.132 ' D(/0(3' /@23/)R%1:.' 01:.5 ' 1M' @75' ?792' 7@7.2' 1%' /02' ;.155' 9242H/(13' @0(40' 079' 8223' H.74/(529' :H13' 0(?' 8)' /02' -.(342 ' 3' 23/2.J (3;' .11>5=5' 02' @75' 74415/29' 8)' 132' 1%' /02' /@1' .2 7/(Q25' 1%' .5 ' (/602.82./' @01' 079' 5(;329' 02.' ?7?7;2R42./(R' %(47/2' N' .' 1M O' 57(9' /0(5' H2.513 ' N' ' 522' 8)' /02' H7H2.5' /07/')1:' 07Q2' 923(29' /02' %74/' 1%' /02' ?7..(7;2' 1%' /02' -.(342' 1%' D 7 25' @(/0' .5 ' (/602.82./ ')1:' 07Q2' 8223' ?(5(3%1.?29' X 8 '+ ' ' ' ' ' (' 1M ' (/' (5' 57(9' @75' 51' (39(;373/' 7/' /02' /.27/?23/' @0(40' 02' 079' .242(Q29' %.1?' /02' -.(342 ' /07/' (/' @75' 31/' /(' 7' /@2 Q2?13/0' 079' 2 7H529' /07/' 02' 413523/29' /1' 522' 0(?' 7;7(3 ' %' /' @75' 42./7(3)' /1' /02' 4.29(/' 1%' 1M ' /07/' @023' :.;29' 8)' 0(5' %.(2395' /1' :39242(Q2' -7. (7?23/' 739' /0:5' Q(39(47/2' 0(?52 %' (3' /02' 1H(3(13' 1%' /02' 41:3/.)' 02' .2%:529' /1' 91' 51' 7/' /02' 2MH2352' 1%' .:(3(3;' /02' .2H:/7/(13' 1%' /02' 02(.' /1' /02' ?137.40)

02' -.(342=5' 32M/' 5/2H' 7%/2.' 07Q(3;' 5:4422929' (3' (?H15(3;' :H13' 0(5' %.(239' @75' /1' 23927Q1:.' /1' 9242(Q2' 0(5' ?(5/.255 ' 441.9(3;)' ?22/(3;' 02.' 13' /02' 97)' 7%/2.' /02' 9287/2' (3' -7. (7?23/' 7/' /02' 01:52' 1%' 132' 1%' 02.' %2?7 2' .2 7/(Q25' 0W' B 79Q73429' /1@7.95' 02.' @(/0' 81/0' 07395' 2M/23929' 739' 07Q(3;' 2?8.7429' 02.' 2M4 7(?29 < N' 3)' 41342(Q2' 7.(7' T' @07/' 1M' 9(9')25/2.97)' ' 02' @23/' 91@3' /1' /02' 1:52' 739' 923(29' /07/')1:' 739' ' @2.2' ?73' 739' @(%2 O' X' 22H)' 1%%23929' 739' 9(5/.25529' .5 ' (/602.82./' (/' @1:9' 522?' (35(5/29' 51' 5/.23:1:5)' :H13' 7' H:8 (4' Q(39(47/(13' 1%' 02.' 407.74/2.' /07/

F' 7552)=5' (5/' 1%' 3;739' 4B ' (((' H' L+S' #

]' '5 #' Q1 ' (((' H' LL*' 0(5' 5/7/2?23/' 31' 91:8/' (5' 5:85/73/(7)' 41..24/')2/' (/' 522?5' 547.42)' .24134(278 2' @(/0' 7' 2//2.' %.1?' /02' -.(342' 1%' D 7 25' /1' 1M' 97/29' /02' !*/0' 1%' 7)' /23' 97)5' 7%/2.' .' 1M=5' N 923(7'=' (3' /02' 1?2135' @0(40' /02' -.(342' 41?2?23425' 8)' 799.255(3;' 0(?' 75' N')' 927.' 07. 25=' 739' 4134 :925' @(/0' /02' @1.95 < N' 9(2:' ?)' 927.' %.(239' X H.7)' 2M4:52' 075/2' X 2Q2.')1:.5 ' - 0' C ' C @ ' < 4 ' '> =' Q1 ' (((' H' +",

d 73;972=5 2?1(.5 1% .5' (/602.82./' H-R' +,' <L*

/02 -.(342 @75 (39:429 /1 5239 %1. . 7%/2.@7.95 7. .2) /023 7)1:3;? 73 1% /@1 739 /@23/) /1 @01?' 02 413%(929 /02 524.2/ 1% 0(5 ?7(.(7;2'F 739 @01?' 02 23927J Q1:.29 /1 23 (5/ (3/1 0(5 52.Q(42' 1.9 .2) /1 :52 0(5 1@3 @1.95' %1:39 0(5 1)7' (;03255 N9.279%:)' 7;(/7/29 0 N 07.25 0 57(9 /02 -.(342' N079 42./7(3)' ;132 /11 %7.'(3 /02 9287/2 1%/02 H.2429(3;'3(;0/ 0 1?2J /0(3;' ?:5/ 82 57(9 (3 -7.(7?23/ %1.' .5' (/602.82./=5 57/(5%74/(13' @0(40 ?(;0/ /7>2 1%%/02 2%%24/ 1% 1M=5 :3I:7J (%(29 924 7.7/(13' 739 02 79929< N 1:' ?)' 927.' .2) 507 2MH 7(3 (/ 0 07/ 0(;0R?(3929 318 2?73 01@2QW.' 37/:.7)' 50.73>' %.1?' 23/73; (3;' 0(?52 %(3 51 9(54.29(/78 2 73 7%%7(.' 739 :3025(/7/(3;)' .2%:529 /1 7442H/ /0i 41?? (5J 5(13' N 023 0 57(9 /02 -.(342' 75 02 2M4(/29)' H7429 /02 7H7./?23/' N(% 31819)' 2 52 @(' 02.(973 ?:5/0%' 02.(J 973' 7441.9(3;)' /11>' 73 27.)' 1HH1./:3(/)' 1%H7)(3;'(3 /02 1:52 1% 1?? 135 7 0(;0R% 1@3 41?H(?23/ /1 /02 H.(Q7/2 Q(./:25 1% .5' (/602.82./X 7 H.14229(3;' 01@2Q2.' @0(40 522?5 /1 07Q2 735@2.29 31 ;119 H:.H152' 8:/ ?2.2)' /1 07Q2 2%/ 2?82.5 /1 %1.?' /02(.' 1@3 4134 :5(135 75 /02)' 079 H.2Q(1:5)' 9132

1 /02 75/' /02 -.(342 522?5 /1 07Q2 5:4422929 (3 H2.R ^5:79(3;' .5' (/602.82./ /07/ 1M=5 923(7' 1%/02(.'?7..(7;2 079 8223 @(/01:/ 0(5 >31@ 29;2 739 413523/' 739 7441.9J (3;)' 02.' .2523/?23/ /1@7.95 1M @75 .2392.29 H2.?7J 323/' ' 1/02 4 152 1%/02 -.(342=5 (%2'7 51'@2 %(39 0(?'Q2J 02?23/)'(35(5/(3;' /07/ /02.2 32Q2.' 079 8223 73)' ?7..(7;2 ' '82/@223 0(?' 739 .5' (/602.82./' 1?2 %1./)')27.5 7%/2.' /02(.' :3(13' 739 /0.22 1.' %1:.')27.5 7%/2.' 02 75423929 /02 /0.132' @75 H:8 (5029 11.2=5 (%2 1% 02.(973' 7 H75R

F 7.' :552 =5 2?1.(7 5 1% 1M' Q1(('H' +",' ! ' ,'0 '7 ,#
]' 1.9 1 739=5 2?1.(.5 1%/02 D0(;'-7./)' Q1(' ((' H' !L,' 7.' :552 =5 2?1.(7 5 1% 1M' Q1(' ((' H' +"" ' 739 31/2' :4> 739 1..25H1392342' Q1(' (' ('' S+L
B (' 73;97 2=5 2?1.(.5 1% .5' (/602.82./' H' !+S' 2?1.(7 5 1% 1M' Q{(' ((' H' +,*' 11.2=5 (%2 1% 02.(973' Q1(' (' +'H S$$<"' +39 9(/(13

57;2' (3' @ ((4((@1.>' .2 7/(3;' /1' /0(5' 92 (47/2' 8:5(3255' 739' 7/' /02' 57?2' /(?2' 2: 1;(5/(4' 1%' 1.9' .2) F' 7HH27.5' /1' 07Q2' ;(Q23' 0(?' ;.27/' 1(%2342' 739' /1' 07Q2' H.1Q1>29' %.1?' 0(?' .232@29' 923(7 5' 2 (82.7/2)' 739' 9(5/(34/)' 02' /1 9' /02' 7/2' .' .1>2.' /07/' 31/' 13)' /02.2' @75' ' '+ #' ' " ' (3' /02' 5/1.)' 1%' 0(5' (3/2.Q(2@' @(/0' 1.9' .2)' 8:/' /07/' N' ' #' ' #' 0' " '+ ' ' ' ' "% -' 0' 739' 75' %1.' N' ' % " #' ' ' ' " f:' #' ' 02' 9(57Q1@29' (/' 7 /1;2/02.%' 2/' (3' 1HH15(/(13' /1' /0(5' 5/7./ (3;' 924 7.7/(13' /02.2' 2M(5/5' (3' 1.9' .2)=5' 1@3' 0739@.(/(3;' 31/' 13)' 73' 7441:3/' 1%' 0(5' (3/2.JQ(2@' @(/0' /02' -.(342' 8:/' 7 51' /02' :3I:7 (%(29' 7552./(13' 1/' /07/' 0(;0R?(3929' 318 2?73' /07/' /02' (3;' 74/:7)' #' /1' 0(?' /02' P74/' 1%' 0(5' 524.2/' ?7..(7;2

1' /0152' H2.5135' @01' 07Q2' /02' @2 R82(3;' 1%' ?137.40(47' (35/(/:/(135' 7/' 027./' /02.2' 473' 82' 8:/' (// 2' 57/(5%74/(13' (3' 9@2 (3;' 13' /02' ?1.7' 92 (3I:234(25' 1%' 21.;2' /02' 1:./0' 3' 1.92.' 01@2Q2.' /1' 2MH 7(3' /02' 4139:4/' 739' 4 27.' /02' 407.74/2.' 1%' /02' %7/02.' (/' 8241?25' 7/' /(?25' (34:?823/' 13' 0(5' 8(1;.7H02.' /1' H1(3/' 1:/' /02' %7:/5' 1%' /02' 513' 02.2' @2.2' 14475(135' (3' %74/' @023' (3' /02' G:9;?23/' 1%' H7./)' 627' 21.;2' /02' 0(.9' 41:9' 91' 31/0(3;' .(;0/' 739' 0(5' 02(.' (// 2' /07/' @75' @.13;' 3' 739' 1:/' 1%' -7.(7?23/' 7/' /0(5' H2.(19' F' (/' @75' (35(5/29' 8)' /02' -.(342=5' H1(/(47' %.(2395' /07/' 02' 079' 8223' /.27/29' @(/0' 7 ?15/' 5)5/2?7/(4' 4.:2 /)' 8)' 0(5' %7/02.' D 2' 07Q2' 5223' /02' -.(342' 0(?52 %' 7552./(3;' /07/' 0(5' %7/02.' #' 0(?X 73' 7552./(13' @0(40' 075' 8223' 52413929' 8)' /02' 0(;025/' (Q(3;' D 0(;' 7:/01./)' (3' 1:.' 1@3' /(?2' 441.9(3;' /1' 1.9' .1:;07?' N' 02' 07/29' 0(?' @(/0' 7' 07/.29' 547.42)' 82/1>23(3;' 7' 51:39' ?(39 0' %1.' @0(40' 02' 079' 31' 82//2.' .275135' /073' /02' G27 1:5)' @0(40' -.(3425' 1%/23' 23/2./7(3' 1%' /02(.' 5:442551.5' 739' 0(5' 513F=5 7 (7342' @(/0' 7' H1 (/(47' H7./)

F' 11.2=5' (%2' 1%' 02.(973' Q1 ' (' HH' S$$' +39' 9(/(13
/' A:7./2.)' 2Q(2@' Q1 ' M4(Q' H' S+*
(' 7.' :552 =5' 2?1.(7 5' 1%' 15' Q1 ' ((' H' +", ' 739' 31/2

@0(4/(' /02' (3;' 01/0' %27.29' 7.(9' 92/25/29PF' 2/' 1.9'
.1:;07..(G' (3' 0(5' N' >2/40 0' 1%' /02' 407.74/2.' 1%' /02' 513'
075' 9.7@3' 7' H(4/:.2' 1%' /02' -.(342' 5:40' 75' @1: 9' 7 ?15/'
G:5/(%)' 73)' %22 (3;' 501./' 1%' H15(/(Q2' 07/.29' 13' /02' H7./' 1%'
7' H7.23/' /1@7.95' 0(5' 1%%5H.(3;' Q23' /02' -.(342=5' H1 (/(47'
1HH15(/(13' /H'BO(5' %7/02.' (5' 755(;329' 8)' 1.9' .1:;07?'/1'
31' 0(;02.' 7' ?1/(Q2' /073' 7' Q: ;7.' 4.7Q(3;' %1.' 2M4(/2?23/'%'
1' %7/02.'739' 513' @0152' 407.74/2.5' 739' 4139:4/' 1%%2.29'
5:40' 5/.13;' 413/.75/5' /1' 2740' 1/02.' 41: 9' :392.' 73)'
4(.4:?5/73425' 07Q2' 75514(7/29' 13' /2.?5' 1%' 7%%24/(13' 739'
.25H24/' 31.' H155(8)' @(/01:/' 23/2./7(3(3;' %22 (3;5' 1%' ?:J
/:7' 9(5 (>2' 3' /02' Q2.)' 4752' 1%' .5' (/602.82./' @2'
9(541Q2.' 01@' 9(%%2.23/' @2.2' /02(.' 37/:.25' 739' 01@' 1HH1J
5(/2' @75' /02' Q(2@' 1%' 0131:.' @0(40' /02)' 52Q2.7)' /11>'
02' -.(342=5' /.27/?23/' 1%' /07/' 79)' 7%/2.' 02' 079' 8241?2'
57/29' @(/0' 02.' 407.?5' @75' 31' ?1.2' H2.07H5' /073' @0G7/' @75'
/1' 82' 2MH24/29' %.1?' @07/' @2' >31@' 1%' 0(5' 407.74/2.' (5'
(3/2.41:.52' @(/0' 02.' @75' (3' /02' %(.5/' (35/7342' 8.1>23' 1%%'
8)' 7' H755(13' 02' 41342(Q29' %1.' 79)' 2.52)' /02' ?1/02.'
1%' %(Q2' 40(9.23' %1 1@29' 8)' 0(5' ?7..(7;2' @(/0' /02' -.(34255'
7.1 (32' 1%' .:35@(4>' 01./)' 7%/2.' /07/' 2Q23/' (2' H.2J
Q7(29' :H13' 02.' /1' .232@' 02.' 41332M(13' @(/0' 0(?' 8:/'
7;7(3' (3' 41:.52' 1%' /(?2' %1.511>' 02.' %1.' /02' @73(3;' 827:/(25'
1%' 79)' 2./%1.9' 1.21Q2.' 13' /02' 14475(13' 1%' /02(.B%(.5/'
52H7./(13'02' 2%/' 02.'@(/01:/' ://2.(3;'7' @1.9' 1%' 2MH 737/(13'
1.' .2;(=2/' 739' 13' /02' 524139' 14475(13' 1%%2.29' (2.' 7' ;.7/:(J
/1:5' (35: /' GX' 75/)' @023' 02' %(37)' 787391329' 02.' (/' @75

F' /7/25?23' 1%' /02' (?2' 1%' 21.;2' L' Q1 ' (' HH' !*' !!' ' !"V" < #*
' /' '5 #' Q1 ' ((' H' '" n4' 9' !"V" < #*' B
/' 73;97 2=5' 2?1(.5' 1%' .5' (/602.82./' HH' !+V' !L+ < V' .5' (/602.82./' (/'
522?5' H15(/(Q2)' .2%:529' /1' .232@' 02.' 41332M(13' @(/0' /02' -.(342' 7%/2.' O(5' ?7..(7;2'
@(/0' /02' -.(34255' 7.1 (32' :3 255' @(/0' /02' 5734/(13' 1%' /02' 0:.40' 1%' 1?2' N' 02'
2Q' .' 7557:' 132' 1%' /02' 407H 7(35' 1%' D7.@(4>' /.22/' 407H2 0' @.(/25' 1.9'
/1:./13' N' @75' /02.2%1.2' 52 24/29'/1' ;1'/1' 1?2' 739' 7)'/02' 4752' 82%1.I(/07/'/.(8:37'
:H13' /02' 2MH.255' :392.5/739(3;' /07/' (%' /02' 735@2.'501:' 9' 82' %7Q1:.78 2' 502' @1:' 9'
7;7(3' G1(3' /02' -.(342X' (%' 1/02.@(52' 502' @75' 92/2.?(329' /1' 7873913' /02' 41:(((/) 0'
02' .2H)' %.1?' 1?2' H.1Q29' %7Q1:.78 2' '5 #' HH' !+" < ,

31/' 13)' @(/01:/' 07)(3;' ?792' 73)' H(B1Q(5(13' %1.' 02.' (3' /02'
2Q23/' 1%' 0(5' 927/0' 8:/' 02' @75' 74/:7)' (3' 928/' /1' 02.' %1.'
5:?5' 1%' ?132)' @0(40' 502' 079' 81..1@29' %1.' 0(.3' 13' /02'
524:.(/)' 1%' /02' 52// 2?23/5' ?792' :H13' 02.' 7/' 02.' %1.?2.'
?7..(7;25' D(92)' 9(%%2.23/' @75' /02' /.27/?23/' @0(40'
.5' (/602.82./' 5:852I:23/)' 2MH2.(23429' %(R1(3' 21.;2' /02'
0(.9'739'%.1?'1/02.'?2?82.5'1%'/02'.1)7'%7?( )' 0.1:;0'
/02' (3/2.25/' 1%' /02' A:223' 739' /02' :>2' 1%' 1.>' 502'
18/7(329'73'733:(/)' 1%' #***y ' 8)' ?1./;7;2' 13' /02' -7Q((13'
7/' .(;0/13'X 8:/' @07/' 502' H.1878)' Q7 :29'%7.' ?1.2' @75'
/02' :34275(3;' >(393255' @0(40' /02' ?;' 739' A:223' 2Q2.'
501@29'/02'@29929'?(5/.255' 1%' /02(.' 513' 02' A:223' 502'
/1 9' 1.9' /1:./13' 079' 7 @7)5' 8223' 02.' %.(239' 739' 75' %1.'
/02' (3;' 02' 41:9' 31/' 07Q2' 5(H@3' 02.';(B27/2.' 7%%24/(13'
2Q23' 079' 502' 8223' 0(5' 1@3' 97:;0/2. F

.5' (/602.82./' 5:.Q(Q29' 02.' ?7..(7;2' @(/0' 21.;2' /02'
1:./0' %(%/)R132')27.5' 739' 1:/ (Q29' 0(?' 327.)' 52Q23')27.5'
/' /02' /(?2' @023' 02' @75' 327.' 0(5' 239' (3' !"L*' 502'
799.25529' /1' 0(?' 73' 7%%24/(137/2' 2//2.' @0(40' 502' %1:39'
?2735' 1%'07Q(3;' 413Q2)29' /1' 0(?' 8)' 7' %.(239)' 0739' Ê 02'
U (3;' (/' (5' 57(9' 52(629' (/' @(/0' 27;2.3255' 739' H 7429' (/'
:392.' 0(5' H(1@' 8:/' %1.' 51?2' .27513' 1.' 1/02.' (/' .242(Q29'
31' .2H)' 02' 079' 51?2' ;.1:395' 01@2Q2.' %1.' % 7//2.(3;'
02.52 %' / (7/' 502' @75' 31/' %1.;1//23' 7/' /02'^ 75/')' /02'
(3;=5' 9)(3;' @(50' 7' ?(3(7/:.2' @75' 5:5H23929' %.1?' 0(5'
324>' 739' 75' 132' 1%' /0.22' H1./.7(/5 1%' 02.' @0(40' 02' H15J
525529' @75' %1:39' ?(55(3;' 7%/2.' 0(5' 927/0' 502' 2341:.7;29'
/02' /2392.' 82 (2%' /07/' /01:;0' %1.57>23' 02.' ?2?1.)' 079'
5/(' 8H23' 927.' /1' 0(?' 739' /07/' 02.' (?7;2' 7)' @(/0' 0(?' (3'
/02' /1?%.%' .5' (/602.82./' 2MH(.29' 7/' .(;0/13' 13' /0W'
+,/0' 1%' 7.40' !"L$' (3' /02' 2(;0/)R%(.5/')27.' 1%' 02.' 7;2

F' 73;4 7 2=5' 2?1(.5' 1%' .5' (/602.82./' HH' !+$<"' !S!' !S+
/' 8 _)' HH' !L#' !#$R"' !$!

- ' &

103' 97?5' / (4' (.5/' 3Q1)'%.1?'/02' 3(/29' /7/25'1%' 1./0' ?2.(47'.242(Q29'7/' /02' 1:./'1%' /' 7?25=5< (5' (3/2.Q(2@' @(/0'/02R (3;< .' :(R32)R739'/02' 7392' 1.((?2?1.7/(13< 21.;2'/02' 0(..%'75'h' :5(47' .(//(4 R (7' (3/2.25/' (3' (55' :.32)'739'02.' 31Q2'1%' N Q2 (370< 27/0'1%'/02 1@7;2.' :40255'1%' -1./739R R>(39325 5'1%'/02' (3;=739' A:223'/3' .5' 2 73) < 1(345/(1' (%2' (3R/02' A:223=5' 19;2' 7/'BD(3951.< (55' :.32)=5'(3/.19:4/(13'/1'/02' (3;739' A:22((< 02' (5' 7HH1(3/29'/1' %%(42' 781:/'/(.2' A:22H< -.(342'^D((7?' 23.)' 7%/2.@7.95'D((7?'/02= 1:./0 BD'7' 7Q7' (3:/2373/RR 8.22'1%'/02' -.(3425' 23/2.29'75' /:923/5'7/' 1//(3;23' 3(Q2.5(/) < //2?H/' 13' / (2' (3;=5' (%2' 0)' 7.;7.2/' d (401 513' D01' (5R413%(329 (3 29 7?< -1H: 7.'%4 (3;' 1Q1029'(3' %7Q1:.'1%'/02' (3;

'1 2 ' /02' !5/'G1%' :32'P!$PV B' /02' %242H/(1:R.4P?5' 7/' /' 7?25=5' -7 747' E@(/32552 9'/02= ?P.>70Z2 5H%24/74 2 1%' /02' %(. /B H.2523/7/(13' 1%' 73' E ?W.(7 ' 0Q1)' 7/R' /02' .(//(50' 1:./(' 02' H2.5;3' @01R' 33' /0=7/' 3(B2?2.78 2' 14 7501X ' .2RR' H.2523/29' /02P(P(3%73%K' 2BH:0 .4' @70RG10W' 1%R_(/5 B%1:392.5' 103' 97?5 R/02' N' 1 155:5' P' 13;.255' 75' (G5 %.(239' R 2 %2 ;13' 925(;37/29XB ((?' 7^M:73' 31/78 2' %1.R' 0(5' 4.((57925' 7;7(35%' >(3;5' 739' HR(25/5' 739[%7?1:n'X77'X/ 2P5x442551.' 1%' D 750(3;/13'(3'/02' -.25(9234)'1%B /02' (:/W9' /7/25' B= HB' /02' (3;' 02RB(5' 57(9'/1'07B 2' 821((H2.5 3=7 G'18(G Mo1 5PR'31.' @023' @2' 4135(92.' /02' H.1?(323/' H7./R@0(H (R 2R ZG7B9'/7>23B' (3' 2%%24/(3;'/02' 9(5(H2?82.?23/B 1%'/02' .(/(50' ?H(.2Y' 739' 0(5' 7.923/' 79Q1474)'P1%%73/(R?837(=40(47' H.(34(H 25' _ 1((9'F 0(5' 7/2' 1Q2.2(;3'82' 2MH24/P B/1'G2;709'0(?B@(/0'%7Q1:.' 02' (3;' 75R@(' 82' H2.42(Q29'8)'/02'%; 8@ 3;' 31/25' 079' 327.)' /@1B)27.5' H.2Q(1:5) ' 8223' :.;29R8)'/02' 17 (/(13' (3(5/.)'/1' .242(Q2' 73' ?2.(473' :Q1)'7/' 0(5)H1:./G' 8:/b' 7/' /07/' /(?2' @(/01:/' 7Q7(

P . ' S# Z' ' ' ' ' Y V!V

' ' ' '?' E =' ' '8 #

M/(B74(Y

FBA '& '!$"L

N' .' 7:.235' @75')25/2.97)' @(/0' .' 1M' /1' 925(.2'
0(?' /1' /7>2')1:.' 7G25/)=5' H 275:.2' @02/02.' (/' @1: 9' 82' 7;.2278 2'
/1')1:.' 7G25/)' /1' .242(Q2' 7' (3(5/2.' %.1?' / (2' 3(/29' /7/25'
.' 1M' >31@(3;')1:.' 7G25/)=5' 1H(3(13' :H13' /0(5' 5:8G24/' %.1?'
@07/')1:.' 7G25/)' 9(9' 0(?' /02' 0131:.' /1' 57)' /1' 0(?' 51?2' /(?2'
5(342' 739' %22 (3;' /07/' (/' 47331/' 82' 73' 7;.2278 2' 5:8G24/' /1' 9@2'
:H13' @1: 9' 07Q2' /7>23' :H13' 0(?52 %' /1' 07Q2' 735@2.29' (3' /02'
7% .?7/(Q2' (%' (/' 079' 31/' 8223' .7/02% H1(3/29)' H:/' /1' 0(?' 5' * '
, ' < P , ' , ' i 3

'8 ; ' * ' ; ' I #' '?#' E =#

± Ø 'D('&= 'N '!$"L'$' H7.
5' /1' /02' I:25/(13' @02/02.' @(50' /1' .242(Q2' 7' (3(5/2.'
(.1?' ?2.(47P' ' 42./7(3)' 473' 32QH.' 2MH.255^(/5' 82(3;' 7;.2278 2'
/1' ?2' 739' (39229' ' 01: 9' /0(3>' (/' @(525/' %1.' 81/0BH7./(25' /1' 07Q2'
13)' 7;23/5' B(Q01' 473' 52// 2' 73)' ?7//2.5' 1%' 41??2.42' :/' 51' %7.' '
'B47301%402 H' 7S9(3;B' /07/' '507 ' 2Q2.X' 07Q2R7' 879' 1H(3(13' 1%' 73)'
3; (5 (?73' @01' @1:/9 7442H/' 1%' 02?;' 73' 744.29(/29' (3(5/1' %1.FP'
/07/' .2)8 /29' >/2 339@0P20' %/2./7(0 G' %1.')27.5' 47331/' 25%78 (5 '
7' 5/78 2' ;1)2.;3(23/

' - %' 73P' 42 28./7/29B' (3/2.Q(2@' 82/@223' 21.;2
/0I' 0(.9' 7((9' [((97?5(X /02(L :5/.(1 5' 075
8((072(%P82I:27/029' 35F' 73' 74((193/B' 3' /02' 97)' 1%' H.2523R'
/7/(8H '02B(P75' 81@29' ((./1' /02' 4171 (1%' 132' 1%' /02' 24.2R'
/7325' 1%' /7/2 B/02K 7.I3(e' 2%B 7.?7./023' @01' 4139:4/29'
0(?:'/1' 7?25=5'-7 742' GP R2.2' 02' 5:9923)' %1:39' 0(?52 %'
8502%29' (3/# 01'H .252342B1%B7' 5/7/2)R7552?8 7;2' 1%' -22.5'
(501BH5)' Q7 (%9P (3H/2/5'1- 7/PP' /02RN%14:5 O' /1' :52' 0(5'
1@3' @1.95B' N' 1%' 7 FB2)25 O B (5' 2?87..755?23/' (/' 522?5'
@1: 9' 07Q2' 822(' ;.27/' 8:/R%1% (2R' 4135(92.7/2 B7//23/(135' 1%'
E/02^= @29(50' 739R' Y:/40X' ?8755791.5' @01' 1((B 1.9' 7.R

F' 7.' :552 =5' 2?1.(75' 1%' 1M' Q9' ((' H '
] E HH' !S* !S!

(((y+

?7./023 I:(//(3;0(?%1./02 H:.H152 1% H.14229(3;/1/02 .1)7 4 152/ 739 (3%1.?(3;/02 (3;1%/02 3Q1)=5 7..(Q7 9.2@ /1@7.95 739 23;7;29 0(?(3 275) 413Q2.57/(13 -.2523/)/02 7.I:(5 .2/:.329 739 29 0(?(3/1/02 .1)7 H.252342 N @23/ O @.(/25 . 97?5 N@(/O 0(5 1.9R 50(H /0.1:;0/02 2Q22R.11?(3/1/02 (3;=5 4 152/ 02 911.@75 50:/ 739 @75 2%/ @(/O 0(5 7G25/) 739 /02 24.2/7.) 1% /7/2 7 132 ?792 /02 /0.22 .2Q2.23425X 132 7/ /02 911.731/02.781:/ 07 %R@7) 739 /02 /0(.9 82%1.2 /02 H.252342 7441.9(3;/1/02 :57;2 25/78 (5029 7/ /0(5 739 7 /02F 1./02.3 1:./5 1% :.1H2 OF

02 799.255 @0(40 /02 ?2.(473 92 (Q2.29 /1 0(5 7/2 1Q2.2(;3 @75 81/O G:9(4(1:5 739 ;.742%: /@75 0(5 07HH) ?(55(13 02 57(9 /1 413Q2) /1 0(5 7G25/) /02 027./) 739 :373(?1:5 925(.2 1% /02 H21H 2 1%/02 3(/29 /7/25 1% ?2.(47 /07/ (3 %:/:.2 /02.2 ?(;0/ 2M(5/ /02 ?15/ %.(239) 739 (82.7 7;.22?23/ 82/@223 /02?739 0(5 7G25/)=5 5:8R P24/5X 739 %:./02.02 @75 (35/.:4/29 8)/02 ?2.(473 H21H 2 /1 41??:3(47/2 /1 0(5 7G25/) /02(. 825/ @(5025 %1. 0(5 027 /0 739 07HH(3255 75 @2 75 %1./02 027 /0 739 07HH(J 3255 1% /02 .25/ 1% /02 1)7 7?( ) 02 7HH1(3/?23/ 02 79929 1% 73 3Q1) %.1?/02 3(/29 /7/25 /1 /02 1:./ 1% .27/ .(/7(3 @1:9B %1.?73 2M/.71.9(37.) 739 (3/2.25/J (3;2H140 (3 /02 7337 5 1% 81/O 41:3/.(25 739 7441.9(3;) 02 .2;7.929 0(?52 % 75 H24:(7.) %1./:37/2 (3 07Q(3;8223 H.2%2..29 781Q2 0(5 %2 1QQR4(/(6235 R(0:5 /1 5/739 (3 0(5 9(H 1?7/(4 47H74(/) (3 0(5 7G25/)=5 H.252342 2 501:9 /0(3> 0(?52 % /02 07HH(25/ 1% ?23 (% 8) 0(5 ;119 1%%(42P 02 41:9 .241??239 0(5 41:3/.) /1 /02 %7Q1:. 1% 0(5 7G25/) 739 (3 73) @7) 4139:42 /1 .25/1.2 /07/ ?:/:7 25/22? ;119R37/:.2 413%(92342 739 7%%24/(13 @0(40 1:;0/ /1 :3(/2 H21H 2 1%/02 57?2 73;:7;2 .2 (;(13 739 8 119 \ 02 (3; 75 . 97?5(3%1.?5 :5 (5/2329 /1 0(?@(/0

N 5/2HH(3;874>@7.95 75 (5 /02 2/(I:2//2X 739 ?7>(3;?) 75/ .2Q2.2342 7/ /02 911.1% /02 407?82. @23/?)@7) 02 75/2.1% /02 2.2?13(25G1(329 ?2 /02 ?1?23/1% ?) 41?(3;1:/ 1% /02 (3;=5 4152/739 7441?H73(29 ?2 /0.1:;0 /02 7H7./?23/5 91@3 /1 ?) 47..(7;2X 52Q2.7 5/7;25 1% 52.Q73/5 ;23/2?23RH1./2.5 739 :392. H1./2.5 .17.(3;1:/ (>2 /0:392. 75 @23/7 13; ^ . 97?5=5 52.Q73/5 . 97?5=5 47..(7;2 ± 0 n4 N 02 (3;0 57)5 . 97?5 N(5 .27)/0(3> /02 ?15/ 7441?H (5029 41:./(2.(3 0(5 91?(3(135 D(/0 7 /02 7%%78((/)1% 07. 25 /02 24139 02 075 7 /02 91?25/(4 Q(./:25 739 .2;:7.(/) 1% 07. 25 /02 (.5/0F N (.0 (/ @(82 .2?2?82.29 @75 . 103513=5 1852.Q7/(13 7%/2.0(5 42 28.7/29 (3/2.J Q(2@ @(/0 /02 (3;<N0(5 ?7332.5 7.2 /0152 1% 75 %(32 7 ;23/2?73 7XP @2 ?7) 5:HH152 1:(5 /02 1:./223/0 1. 07. 25 /02 24139 0%

31/02.2?(323/H2.513 @01 7/ /0(5 /(?2 @75 79?(//29 /1 7 H.(Q7/2 7:9(2342 @(/0 /02 (3; 739 @01 075 2%/ :5 73 7441:3/1% /02(. (3/2.Q(2@ @75 . 07. 25 :.32) /02 7:/01.1%/02 @2 R>31@3 N (5/1.)1% :5(4 0 :.(3;/02 H.1;.255 /0.1:;0 /02 H.255 1% 7 7..7/(Q2 @.(//23 8) /02 14/1. 1%/02 ;.27/ 7392 1??2?1.7/(13 /02 (3;079 /7>23 51 ?:40 (3/2.25/ (3 /02 @1.> 75 31/13)/1 5239 %1. /02 H.11%R5022/5 8:/ /1 799 51?2 .2?7.>5 1%0(5 1@3 G 02 @1.> 07Q(3;82(3;41?H2/29 . :.32) 8) 0(5

F D1.>5 1% 103 97?5 Q1 Q(((H LV" D023 (3 7.40 /02 %1 1@(3;)27. 2%%2.513 @75 H.2523/29 /1 /02 (3;739 A:223 7/ / 7?25=5 0(5 .242H/(13 02 (3%1.?5 :5 @75 ?:40 255 ;.74(1:5 2?1(.5) 4 ? Q1 (H %#

]. 1>2.=5 15@2 =5 (%2 1% 103513 H ! "#9 ! "S"

(02 (3;=5 .2?7.>5 @2.2 4135(92.29 /1 02 1% 51 ?:40 41352I:2342 8) . :.32) /07/ 02 47342 29 /02 /@1 5022/5 /1 @0(40 /0152 .2?7.>5 079 .2%2.2342 039 2?819(29 /02 (3;=5 4.(//(4(5?5 (3 H32%2.2342 /1 0(5 1.Q3 02) 7.2 75 %1 1@X< N /522?5 8:/ G:5/ 75 @2 75 37/:.7 (3 ?23/(13(3;/02 S/0 7:/81(5 1342./1 13 /02 S/0 97)=5 H2.%1.?7342 1% 7392=5 1??2?1.7/(13 /1 /7>2 31/(42 1% /02 2MI:(5(/2 /75/2 739 H.1H.(2/) . (5402.2MO(8(/29 (3 /02 51 1 H7./5X @0(40 ?:5/ 413Q(342 0(5 027.2.5 /07/ 0(5 2M42 2342 9125 31/ 4135(5/7 132 (3 H2.%1.?(3;0(5 1@3 41?H15(/(13X 739 /07/ 0(5 /132 H2.%24/) %(29 /02 5/:H2391:5 8:(9(3;@02.2 /0(5 2 2 2:/41342./1 @75 H2.%1.?29 0 02 524139 4.(/(4(5?075 .2%2.2342 /1 /02 H2.%1.?R

7G25/)=5 1@3 7HH1(3/?23/' @75 H2.?(//29 /1 H.2523/ 41H(25 /1 /02 (3;' 739 A:223'(3 /02 (8.7.)' 1% :4>(3;07?' 1:52' /02 57?2 7H7./?23/ (3 @B0(40 .' 103513 079 %1.?2.)' 079 0(5 42 28.7/29 (3/2.Q(2@' 2 %1:39 /02(.' 7G25/(25 527/29 /1;2/02.' @(/01:/ 73)' 7//23973/5' 739 @75 .242(Q29 8)' /02?' (3 /02 ?15/ %.73> 739 ;.74(1:5 ?7332.' %/2.' /02 (3;' 079 1H2329 739 2M7?(329 0(5 @1.>< N 1:' 07Q2 ?792' .' .3?2) 0 02 57(9' N 7 ?:40 ?1.2 4135(92.78 2 811> 1% /0(5 1??2?1.7/(13 /073 ' 079 2MH24/29' 1.' H2.J 07H5 /073)1:' 079 2MH24/29)1:.52 % 0 02 (3;' /023 23/2.29 (3/1 7 92/7(29 4.(/(4(5?' 1% /02 ?2.(/5 1% /02 H.(3J 4(H7' ?:5(47' H2.%1.?2.5 7 /02 1??2?1.7/(13X %(39(3;' %7: /13)' @(/0 7 5(3;2 8755 5(3;2.' @0152 31/25' 02 57(9' @2.2 31/13)' 07.50' 8:/ 51:3929 ?:40 ?1.2 (>2 /02 ;.1735 1% 7 5(4> ?73 5:%(2.(3;' %.1?' 7 %(/ 1% /02 41 (4' /073 /0152 1% 7 H2.513 7//2?H/(3;' 07(B?13)' N 02 (3;0 @.(/25 .' :.32)' N 2MH.25529 ?:40 79?(.7/(13 /07/ /02 %: ' ' 1% 51 Q75/ 7 8739' (3 7441?H73)(3;' /02 5(3;2.5' 079 32Q2.' 8223 /11 1:9' 2Q23 %1.' 7 5(3;2 Q1(42' @023 (/ ?(;0/ 51 37/:.7)' 07Q2 8223 2MH24/29 /07/ /02 7441?H73(?23/5 2Q23 1% /02 51%/25/ H(7315' (3 5:40 H 23(/:92' @1: 9 07Q2 8223 1Q2.H1@2.(3;' /1 7 ' Q147' 51 15' 2 079 /7 >29' 02 57(9' 81/0 @(/0 ?:5(47' H21H 2 739 @(/0 H0(151H02.5 :H13 /02 5:8G24/' 8:/ 3132 1% /02?' 41: 9 755(;3 7 .27513' 1.' 7441:3/ %1.' 51 75/13(50(3;' 7 %74/ 0 02 413Q2.57/(13 07HH23(3;' /1 /:.3 :H13 07>25H27.2' /02 14/1.' ?23/(1329 7 2.?73 /.735 7/(13 1% 0(5 H 7)5 8)' -.1%2551.' 540238:.;' N 02 2.?735 /.735 7/2 07>25H27.2 0 57(9 /02 (3;' 7:; ((3;X N @0)' @2 913=/ :392.5/739 0(?' 1:.52 Q25' 01@ 501:9

7342 1% /02 N 255(70 0 N .' :.32) 0 @.1/2 /02 (3;' N 522?5 /1' %1.;2/ /02 ;.27/ ?2.(/ 1% /02 401.7' %:;:2' ^ 2 /.:5/2/0 (3 19 = 8)' 7552./(3;' /07/ /02 @1.95 @1:9 79?(/ 1% 31 5/.1>2 1% H755(13' 1@ /08 .27' /3(/0 (5' /07/ /02 @1.95 413/7(3 7 /773(%25/ H.25:?H/(13 739 (?H2./(32342' @0(40 7392' 075' (3 /02 ?15/ ?75/2.)' ?7332.' /7>23 79Q73/7;2 1%' 39 02 @75 51 41354(1:5 1% /02 ?1.7' ?2.(/ 1% /07/ ?1Q2?23/' /07/' @0232Q2.' 02 @75 925(.29 /1 5(/ 91@3 /1 /02 07(RH5(401.9' (% 31/ (35/73/)' (34 (329 /1 H 7)' 01 :529 /1 /7>2 /0(5 5:8G24/X @0(40 2Q2.' 52/ 0(5'(?7;(J 37/(13 7/ @1.>' 739 ?792 0(?' H.19:42 @1392.%:')) #[< 4 ' '9 # 6 ,' ,' ' ' < 4 '9 & ,' Q1 '((HH' L V' L"#

%1%2(;32.5'¢0' 02' A:223' .2?7.>(3;' /07/' 502' /01:;0/' /07/' /02' 51(1I:(25' @2.2' Q2.)' @2 ' .2392.29' 8)' 54023R' 8:.;< N)20' 2M4 7(?29' /02' (3;' N/07/' (5' 8247:52'(3' /0152' 52.(1:5' 5H22402 5' /02.2' 7.2' 3132' 1%' /0152' H:35' I:(8J 8 25' 739' H24:(7.' (9(1?5' 1%' 07>25H27.2' 739' 0(5' /(?25' %1.' @0(40' /02.2' 7.2' 31' 2I:(Q7 23/5' (3' 1/02.' 73;::7;25 0F' 02' 75/' /1H(4' 9(54:5529' @75' /02' .2?7.>78 2' 5/1.)' 1%' /02' H:8 (47/(13' 1%' /02' 42 28.7/29' 31Q2' N' Q2 (37 0' @.(//23' 8)' /02' 14/1.=5' 524139' 97:;0/2.' 733)' :.32)' 7%/2.@7.95' 797?2' 9=.8 7)' 7' 5/1.)' @0(40' /01:;0' %(Q2')27.5' 079' 2 7H529' 5(342' /02' @1.>' 079' %(.5/' 7HH27.29' (3' H.(3/' @75R' 5/(' 7' 5:8G24/' 1%' (3/2.25/' (3' (/2.7.)' 739' %750(1378 2' 4(.4 25' N' 39' (5' (/' /.:20' 27;2.)' (3I:(.29' /02' (3;' N/07/')1:' 32Q2.' 57@' ^ Q2 (37'± 82%1.2' (/' @75' H.(3/29'¢0<N' 1.0' .2H (29' /02' 14/1.' N' 2Q23' /(' 13;' 7%/2.' (/' 079' 8223' H:8J (5029 0' 02' (3;' /023' 9.2@' %.1?' /02' ;./(%(29' %7/02.' 7' 92/7(29' 7441:3/' 1%' N Q2 (37=5 0' %(.5/' (3/.19:4/(13' /1' /02' @1.9' @0(40' 75' /02' 14/1.' (3%1.?5' :5' 7%%1.929' (3%(3(/2' 7?:52?23/' /1' /02' A:223' 75' @2 ' 75' /1' 0(5' 7G25/) %'

3' /02' ?13/0' 1%' :)' !$"V' /02' (3;=5' 407.?(3;' 739' Q232.78 2' 74I:7(3/7342' .5' 2 73)' 079' /02' ?(5%1./:32' 7/' /02' 7;2' 1%' 2(;0/)R%(Q2' /1' 82' 92H.(Q29' 8)' 927/0' 1%' 0W.' 82 1Q29' %.(239' 739' 97()' 41?H73(13' /02' 1@7;2.' :40255' 1%' -1./ 739' 1' .5' (6782/0' 7./2.' 73370' 1.2' @.(/25' 13' /02' 14475(13<N 39229' ?)' 927.' %.(239' ' 473' G:9;2' 8)' ?)' 1@3' 1%' /02' ;.(2%' 739' 5:.H.(52')1:' ?:5/' 07Q2' %2 /' 7/' /02' 927/0' 1%' /02' :40255' 1%' -1./ 739' 02' @75' 1%' /02' 318G2' 739' ?:3(%(423/' 5/) 2' 1%' /02' 1 9' 318((/)' 02' (5' 9252.Q29)' .2;.2//29' %.1?' /02' H7 742' /1' /02' 41//7;2' 02' H11.' 922H)' 7?23/' 02.' 739' 7G25/)' 075' 5029' /27.5' %1.' 02.' 27.' .5' 2 73)' ' 027.' 5:5/7(35' /0(5' 027Q)' 8 1@' @(/0' /02' .25(;37/(13' @0(40' ?(;0/' 82' 2MH24/29' %.1?' /02' H(2/)' 1%' 02.

F N /' (5' (?H155(8 2 0' @.(/25' .' 7 7?' N/1' 923)' /07/' (33:?2.78 2' (325' (3' 07>25H27.2' @2.2' 31/' ?1.2' (3/2 (;(8 2' (3' 0(5' /(?2' /073' /02)' 7.2' 7/' H.2523/' " ' '0 ' 'C ' Q1 ' (((' H' ,+' +39' 9(/(13' /' 2?1(.5' 1%' .' :.32)' 8)' 0(5' 7:;0/2.' Q1 ' (((' HH' !#<+*

407.74/2.' 8:/' 502' 7 51' %22 5' (/' @(/0' 7' 5235(8((/)' @0(40' ?(;0/' 82' 47 4: 7/29' %.1?' /02' /2392.3255' 1%' 02.' 027./ OF' 3' /02' 527513' 1%' 02.' 82.27Q2?23/' .5' 2 73)' 2MH2.(23429' 7/' /02' 07395' 1%' /02' (3;' 7' ?7.>' 1%' 5)?H7/0)' 739' >(393255' @0(40' /1:4029' 02.' 922H)' 739' @0(40' ?73(%25/29' (3' 7' Q2.)' H 275(3;' ?7332.' 01@' ;.27/' @75' /02' ;1193255' 1%' /02' (3;=5' 027./' (5' 7G25/)' 57(9' /02' A:223' /1' 79)' D2)?1:/0' 23/2./7(329' /02' ;.27/25/' .25H24/' 739' 7%%24/(13' %1.' .5' 2 73)' 739' 41:9' 31/' /02.2%1.2' 8:/' 82' 7HH.20235(Q2' 25/' 7/' 02.' 79Q73429' /(?2' 1%' (%2' 739' 744:5/1?29' 75' 502' @75' /1' H755' 7' ;.27/' H7./' 1%' /02')27.' (3' /02' 41:3/.)' 7' 4135/73/' .25(92342' (3' 13913' ?(;0/' H.1Q2' (3G:.(1:5' /1' 02.' 027 /0' 2' @(5029' 02.' /023' /1' /7>2' H155255(13' 1%' 7' 01:52' 4 152' /1' /02' 475/ 2' 7/' D(3951.' @0(40' 02' H.1H1529' /1' H 742' 7/' 02.' 9(5H157' %1.' 02.' (%2R/(?2X 739' 75' 02' @75' @2' 7@7.2' 1%' /02' 799(/(137' 2MH2352' @0(40' 7' 524139' .25(92342' @1:9' 23/7(' :H13' 02.' 02' 925(.29' /1' /7>2' :H13' 0(?52 %' 7' H7./' 1%' /02' 8:.923' 8)' (39:4(3;' 02.' /1' 7442H/' 73' 733:(/)' 1%' /0.22' 0:3R' 9(F29' H1:395

02' (3;=5' 1%%2.' @75' 31' 51132.' 7442H/29' 8)' /02' ;.7/2%:' H 9' 79)' /073' 02' 41?? 23429' H2.5137)' 5:H2.(3/239(3;' /02' .2H7(.5' 1%' 02.' 7 1//29' .25(92342' @0(40' @2.2' 31' 51132.' 41?P' H 2/29' /073' /02' A:223' (3' 73' 7:/1;.7H0' 2//2.' 97/29' /02' /0(.9' 1%' 2H/2?82.' (3Q(/29' 02.' /1' /7>2' :H' 02.' 78192' /02.2' 13' /02' :2597)' %1 1@(3;' /' @75' /02' (3;=5' 2MH.255' (3G:34/(13' @.1/2' /02' A:223' /07/' .5' 2 73)' 501:9' 8.(:;' /1' D(3951.' 13)' 02.52 %' 02.' 3(242' 02.' 4 1/025' 739' 02.' 7//23973/5' X' O' 0(5' 7G25/)' 739' /02' A:223' 07Q(3;' (3' /02' ?273' /(?2' /7>23' :H13' /02?52 Q25' /1' H.1Q(92' 2Q2.)' 7./(4 2' 3242557.)' 2(/02.' %1.' 02.' :52' 1.' 41?%1./' 441.9(3;)' 13' 02.' 7..(Q7' 502' 31/' 13)' %1:39' /02' H 27529' 739' 8232Q1 23/' 137.40' 13' /02' 5H1/' 27;2.' R/1' @2 41?2' 02.' 8:/' 02' 079' 7 51' 47:529' /02' 01:52' /1' 82' 5/14>29' @(/0' H 7/2' 40(37' ;755' 739' (323' /02' 42 7.' @(/

@(32 739 2Q23 /02 4:H817.95 @(/0 5@22/?27/5 739 H(4> 25 02 ;7.923 75 .5 2 70)02.52 %(3%1.?5 :5 @75 7 N Q2.) H.2//) 0 132 739 79G1(329 /07/ 1% /02 A:223 02 (3;) 079 2Q23 079 /02 /01:;0/(0 3255 /1 H.1Q(92 02. @(/0 7 073951?2 32@ 52973R407(. /1 2378 2 02. /1 7//239 9(Q(32 52.Q(42 (3 0(5 1@3 H.(Q7/2 407H2 (3 /02 475/2 Q2.) @73/ (39229R 079 8%223 /01:;0/ 1% 8) /02 (3;) 739 A:223 739 2Q2.) @(50 73/(4(H7/29 F

3 /02 ?1.3(3;) 7%/2/ .5 2 73)=5 7..(Q7 /02 A:223 31/ 13) 523/ 132 1% /02 79(25 1% /02 1:./ /1 231:(.2 7%/2. 02. 027 /0 8:/G 7/ /@1B1=4 14> H7(9 02. 7 Q(5(/ (3 H2.513P 2. 7G25/) @75 7 7%%24/(13 739 ;.74(1:53255 N / (5 (39H155(8 2 %1. ?2GO @.(/25 .5 2 73)P N/1 91 G:5/(42 /1 02. ;.27/ 4139254235(13 739 /2392.3255 @0(40 @2.2 7 ?15/ 2I:7 /1 @07/ 079 15/ 02 .2H27/29 (3 /02 5/.13;25/ /2.?5 09. @(50P 7.(9 /02 (3;=5 /07/ 501: 9 82 75 275) 739 07HH) 75 /02) 41: 9 H155(8) (37>2 ?2 X /07/ U/02) @7(Q29 7 42.2?13) 739 925(.29 /1 41?2 /1 ?2 (>2 # 02 A:223 92 (Q2.29 ?2 7 H7H2. %.1?/02 (3; @0(40 413/7(329 /02 %(.5/ I:7./2. 1% `L**H2. 733:? @0(40 0(5 7G25/) 7 1@5 ?2 1:/ 1% 0(5 -.(Q) -:.52 02(. 7G25/(25 07Q2 9.73> /27 D(/0 ?2 %(Q2 /(?25 739 /02 -.(3J 425525 /0.22 02) ;232.7) 5/7) /@1 01:.5 1. 13;2. 0 .5 2 73) 1% 41:.52 8247?2 7 %.2I:23/ ;:25/ 7/ /02 A:223=5 19;2 @02.2 502 @75 ?1.2 /073 2Q2. 407.?29 @(/0 /02 (3;) 75 502 57@ ?1.2 739 ?1.2 1% 0(?) (3 /02 423/.2 1% 0(5 91?25/(4 4(.4 2 N 07Q2 8223 52Q2.7 2Q23(3;5 0 502 @.(/25 13 /02 ,/0 1% 1Q2?82. N7/ /02 A:223=5 19;2 @(/0 31 1/02. 41?H73) 8:/ /02(. 1@3 ?15/ 1Q2) %7?( ) 02) 5(/ .1:39 7 7.;2 /78 2 13 @0(40 7.2 811>5 @1.> H2H4(5 739 H7H2. 02 A:223 075 /02 ;1193255 /1 ?7>2 ?2 5(/ 91@3 32M/ /1 02. 739 92 (;0/5 ?2 @(/0 02. 413J Q2.57/(13 @0(40 (5 (3%1.?(3;) 2 2;73/ 739 H 275(3;) 82)139

F 797?2 = (8 7)=5 (7()739 2//2.5 Q1 ((HH LS#<$ LV+ .5 2 73)=5 2//2.5 /1 .5 .73425 7? /1:HH #V<"

9254.(H/(13 @0(5/ /02)1:3;2.' H7./ 1 /02 %7?( )' 7.2 9.7@(3;' 739 @1.>(3;' n 4 /02 827:/(%:' 8782' -.(34255 ?2(7' 827.(3;' 02.' H7./ (3 /02 23/2./7(3?23/ 51?2/(?25 (3 132 1 02.' 5(5/2.5 7H5 51?2/(?25 H 7)(3;' ')(/0 /02 (3;' 13 /02 47.H2/' @0(40 7 /1;2/02.' 2M0(8(/5 5:40 7 92(;0/%:' 54232 75 @1: 9 .2I:(.2 73 99(513=5 H23' 1.' 7 739)>2=5 H234(G /1' 91 G:5/(42 /1' 3 /02 32M/ .11?' (5 /02 8739 1 ?:5(4' @0(40 H 7)5 %(=1?' 2(;0/ 1=4 14>/(' /23' 02 (3;' ;232.7)' 9(.24/5 /02?' @07/ H(2425 1 ?:5(4 /1 H 7)P 40(2%)' 7392=5 0F :40 @75 21.;2 /02 0(.9 75 02 4135/73/)' 7HH27 29 (3 /02 514(2/)' 1 /0152 @01 1Q29 0(?' 739 @01?' 02 1Q29† N 07/ /02 (3;0 @.(/25 /02 Q232.J 78 2 7.' 1 :(%1.9 /1 .5' 2 73)' N 075 132 1 /02 825/ 027./5 (3 /02 @1.9' ' 07Q2 >31@3 %.1?' 0(5 8(./0' 739 ' 07Q2 >31@3 /02 57?2 /1 82 (3 /02 A:223 2Q2.' 5(342 ' 079 /02 0131:.' 1 413Q2.5(3;' @(/0 02.' " ' 1 7 9(B7@(3;R .11?' - & @01 >31@ /P2?' 51 @2 ' @(' 82 (2Q2 /07/ (/ (5 31/ 75 (3;' 739 A:223 13)' /07/ ' 1Q2 739 .25H24/ /02?' 8:/ 75 /@1 1 /02 825/ H2.5135 ' >31@ (3 /02 D1.9 0 %' /@75 (3 /02 ?13/0 1 242?82.' %1 1@(3;' 13 /02 1447J 5(13 1 132 1 (55 :.32)=5 Q(5(/5 /1 .5' 2 73)' 7/ D(3951.' /07/ 502 @75 %(.5/ (3/.19:429 /1 /02 (3;' 739 A:223' 02(.' 7G25/(25' (3 41?? 13 @(/0 /02 .25/ 1 /02 @1.9' 079 8223 %754(37/29 8)' 02.' 407.?(3;' 31Q2 5 N Q2J (37 0 739 N 24((7 0 739 079 41352I:23/)' 41342(Q29 7 925(.2 /1 ?7>2 /02 74I:7(3/7342 1 /02 7:/01.255' /(I:2//2' (/ @1:9 522?' H.24 :929 02.' %.1?' 82(3;' %1.?7)' H.2523/29 /1 /02?' 2M42H/ 7/ 7 .7@(3;' 11?' 8:/ 75 /02(.' 7G25/(25 @2.2 (3 /02 %.2I:23/ 078(/ 1 47 (3;' :H13 .5' 2 73)' @(/0J 1:/ H.2Q(1:5)' ;(Q(3;' 02.' @7.3(3;' (/ @75 H.25:?29 /07/' 51132.' 1.' 7/2.' /02)' @1: 9 82 %1./:37/2 231:;0 /1 5:.H.(52 (55 :.32)' (3 /02 H7.1:.' 1 02.' Q232.78 2 %.(239' 39

F .5' 2 73)=5' 2//%(.7/1' (=5' .73425 7?(/13' HH' V"' V,' #L

]' (%2 739 1..25H' 1 .5' 2 73)' 8)' 79)' 731Q4.' +39 2.(25' Q1 ' (((' HH' +,+' L*" < ,

' 501./)' 7%/2.@7.95' (/' 07HG 2329' 32' 7%/2.3113' .5' 2 73)' 079' .2/(.29' %.1?' 02.' 9.7@(3;R.11?' (3' 01H25' 1%' .2%.250(3;' 02.52 %' 8)' 02.' :5:7' 2Q23(3;' 37H' 27Q(3;' /02.2' 02.' 32H02@' .' 2.37.9' 2@25 BF' (55' :.32)' (55' -1./' %' 7' Q2.)' H.2//)' 3(242' 1%' .5' 2 73)' 739' 7' (// 2' 97:;0/2.' 1%' .' 2@25' 02' %1.?2.' /0.22' @2.2' (3' /02' ?(99 2' 1%' /02' 7H7./?23/' 7?:5(3;' /02?52 Q25' @(/0' /2740(3;' /02' 40(9' 51?2' 0.(5/?75' ;7?25' @023' /02' 911.' 1H2329' 739' /02' (3;' 5:9J 923)' ?792' 0(5' 7HH27.7342' N' '@75' 9(523/73; (3;' ?)52 %' %.1?' (55' 2@25 0' @.(/25' (55' :.32)' N' /1' 82' .279)' /1' %)' 1%%' (%' 73)' 132' >314>29' 7/' /02' 5/.22/R911.' @023' /02' 911.' 1%' /02' 9.7@(3;R.11?' @75' 1H2329' 739' 7' 7.;2' ?73' (3' 922H' ?1:.3(3;' 7HH27.29' 7/' (/' 23/2.(3;' 739' 50://(3;' (/' 0(?52 %' @(/01:/' 5H27>(3;' ' ;015/' 41: 9' 31/' ?1.2' 07Q2' 547.29' ?2' @023' ' 9(541Q2.29' 8)' (/5' ; (//2.' 13' /02' 8 74>' 7' 5/7.T' 02' ;232.7' 9(51.92.' 079' H.2Q23/29' 0(5' 82(3;' 5223' 2M42H/' 8)' ?)52 %' @01' @75' 7 @7)5' 13' /02' @7/40' /(' (55' -1./' /:.3J (3;' .1:39' 2M4 7(?29<^ 02' (3;T< :3/' /02' (3;T≤0' .5' 2 73)' (??29(7/2)' ?792' 02.' 7HH27.7342' N' Q2.)' 132 0' @.(/25' (55' :.32)' N' 547?H2.29' 1:/' 1%' /02' @7)X (55' -1./' /1' 5/739' 32M/' /02' 911.X .' 2.37.9' 2@25' /1' 7' 41.32.' 1HH15(/2' /1' (/' (5' (// 2' ;(.' 4 :3;' /1' ?2' 739' .5' 2 73)' 79Q73429' /1' ?22/' 0(5' 7G25/)' @01' 7%/2.' EI:(2/)' 11>(3;' 13' /(' 502' 57@' 0(?' 7HH.174029' 739' 23I:(.29' (1@' 502' 9(9' 2' /023' 5H1>2' /1' .' 2.37.9' @01?' 02' 079' 7.279)' ?2/' /@1' 1.' /0.22' /(?25' 02.2 0' G

D 0(2' /0(5' 54232' @75' H755(3;' (55' :.32)' ;.7H0(47)' 9254.(825' 02.52 %' 75' 07Q(3;' 8223' (3' 7' ?15/' 7 7.?(3;' 5/7/2' 1%' U/.2H(97/(13' 1H(3;' /1' 2547H2' :3H2.42(Q29' 502' @75' (3' /02' 74/' 1%' ; (9(3;' /1@7.95' /02' 911.' 1%' /02' 7H7./?23/' @023' /02' (3;' (3' 7' @0(5H2.' /1' .5' 2 73)' 1:9' 231:;0' /1' 82' 1Q2.J 027.9' 8)' 7 ' 23I:(.29' (%' /02')1:3;' 79)' @2.2' 31/' (55

F' 24139' 513' 1%' 103' 1@25' 5I ' 1%' D2 581:.3' (3' D 7.@(4>50(.2' /' 21.;(37' 7.)' 33' 97:;0/2.' 1%' 103' -1./' 5I ' 1%' 7?' 739' ;.739R3(242' 1%' ^ .5' 2 73)

797?2' B .0 7)=5' (7.)' 739' 2//2.5' Q1(' ((' H' L$!

(3;' 07Q(3;' 1342' 23;7;29' 02.' (3' 413Q2.57/(13' (/' @1: 9' 07Q2' 8223' 413/.7.)' /1' 7 ' 2/(I:2//2' /1' 07Q2' .2/.27/29' 02' A:223' 13' H2.42(Q(3;'/02'm(3;' ?792'0(?' 7' 1@'4:./5)' 7/' /02' 57?2' /(?2' 2MH.255(3;' 51?2' 5:.H.(52' 7/' %(39(3;'0(?'(3' .5' 2 73)=5' 9.7@(3;R.11?' N' 25 0' 02' 57(9' N' ' 47?2' 02.2' @(/01:/' 5H27>(3;' /1' 73)' 819) 0' ' 5?7 ' /78 2' @75' /023' H 7429' 327.' /02' A:223' 13' @0(40' 502' ?(;0/' .25/' (%' 502' %2 /' 51' 9(5H1529' 2(/02.' 02.' 3229 2R@1.>' 1.' /27R4 H' ' ;.27/' 927' 1%' 925: /1.)' /7 >' 31@' %1 1@29' /02' (3;' 739' A:223' /7>(3;' /02' H.(34(H7' H7./' (3' (/' @(/0' H2.%24/' ;119R' 0:?1:.' 2752' 739' Q(Q74(/)' (55' :(32)' @75' H7./(4: 7.)' 407.?29' @(/0' /02(.' 41.9(7' 739' 413%(9(3;' 8207Q(1:.' /1@7.95' 2740' 1/02.X/02' (3;'522?(3;'/1' 79?(.2' 31' 255' /073' /1' 23G1)' /02' 413Q2.57/(13' 1%' 0(5' 41351./'@0(2' /02' A:223=5' 92%2.23/(7' ?7332.'/1' 02.'0:58739' @75' 75' (55' :.32)'/01:;0/'(3/23929F' /1' 82/1>23'/07/'(%'502'/02' A:223' 1%' 7' H1@2.%:' 37/(13' 922?29' (/' (34:?823/' :H13' 02.' /1' 92?273' 02.52 %'/1@7.95' 0(?' 75' 0(5' 9:/(%((' 739' 92Q1/29' 5:8G24/'51' ?:40' ;.27/2.'@75' /02' 7?1:3/' 1%' .25H24/' 739' 01?7;2' 9:2' /1' 0(?' %.1?' 1/02.5

02' Q(5(/' 079' 31@' 75/29' %1.' 7' 4135(92.78 2' /(?2' @023' /02' (3;' 11>(3;' 7/' 0(5' @7/40' .2?7.>29' /07/' (/' @75' 2(;0/' 1=4 14>' 739' /07/' (%' 02' 5/7)29' 73)' 13;2.' 02' 501: 9' ?(55' 57)(3;' N' ;119R3(;0/0' /1 0(5' 40(9.23' 82%1.2' /02)' .2/(.29' /1R' (25/' 02' A:223' (35/73/)' .152' 739' 07Q(3;' H2.?(//29' .5' 2 73)' /1' H:/' 13' 02.' 4 17>' 7%%24/(137/2)' @(5029' 02.' N' ;a19' 3(;0/0' 02' /023' 81@29' 52H7.7/2)' /1' /02' .25/' 1%' /02' 41?J H73)' @01?' 2/(I:2//2' 079' >2H/' 5/739(3;' 9:.(3;' /02' Q(5(/' 739' 07Q(3;' ;(Q23' 02.' 0739' /1' /02' (3;' @75' 4139:4/29' 8)' 0(?' /1' 02.' 47..(7;2' N' /' (5' /02' 4:5/1?0' @.(/25' (55' :.32)' N' %1.' 2Q2.)819)' /02)' 5H27>' /1' /1' 7//239' /02?' 1:/' 8:/' /02)' @1: 9' 31/' 5:%%2.' .5' 2 73)' /1' ?1Q2' (55'-1./' .' 2@25' 0(5' (//2' 97:;0/2.' 739' ?)52 %' 7' 7441?H73(29' /02?' 739' 57@' /02?' (3' /02(.' 41740' 739' .242(Q29' /02(.' 75/' ;.74(1:5' 3195 OF

(55‘ :.32)‘ 522?5‘ /1‘ (7Q2‘ 8223‘ 31‘ 255‘ %754(37/29‘ 8)‘ 02.‘ .1)7‘ ?(5/.255‘ /073‘ 8)‘ /02‘ (3;‘ N‘ 02‘ A:223 0‘ 502‘ E@.(/25‘ N(5‘ (39229‘ 7‘ ?15/‘ 407.?(3;‘ @1?73‘ 02‘ 7HH27.5‘ /1‘ ?2‘ %:‘ 1%‘ 52352‘ 739‘ ;.74(1:53255‘ ?(3;29‘ @(/0‘ 92(474)‘ 1%‘ ?(39‘ 739‘ (Q2(3255‘ 1%‘ /2?H2.‘ 02‘ 5H27>5‘ 3;(50‘ 7?15/‘ H2.%24/)‘ @2‘ @(/0‘ ;.27/‘ 401(42‘ 739‘ 41H(1:53255‘ 1%‘ 73;:7;2‘ /01:;0‘ 31@‘ 739‘ /023‘ @(/0‘ %1.2(;3‘ (9(1?‘ 739‘ %.2I:23/)‘ @(/0‘ 7‘ %1.2(;3‘ 74423/‘ 2.‘ ?7332.5‘ 07Q2‘ 73‘ 275)‘ 9(;3(/)‘ E@(/0‘ 7‘ ?15GX 23;7;(3;‘ 5(?H(4(/)‘ 739‘ 502‘ 075‘ 7‘ /07/‘ %(32‘ 0(;0‘ 8.229(3;‘ @0(40‘ /02‘ ?(39‘ 31/‘ /02‘ 5/7/(13‘ ;(Q25‘ 1%‘ 47.2%:)‘ 7Q1(9(3;‘ /1‘ 9(5/.255‘ /0152‘ @01‘ 413Q2.52‘ @(/0‘ 02.‘ 739‘ 5/:9(1:5)‘ .2?1QJ (3;‘ /02‘ 2?87..755?23/‘ 502‘ 47331/‘ H.2Q23/ 0‘ (

D023‘ 7‘ %2@‘ ?13/05‘ 7%/2.@7.95‘ (55‘ :.32)‘ @75‘ 7HH1(3/29‘ /1‘ 7‘ 413%(923/(7‘ 1% 42‘ 781:/‘ /02‘ A:223=5‘ H2.513 \‘ 739‘ @75‘ /0:5‘ 7%%1.929‘ 4135/73/‘ 1HH1./:3(/(25‘ 1%‘ 5/:9)(3;‘ 02.‘ 7G25/)=5‘ 407.74/2.‘ 502‘ %1:39‘ 31‘ 14475(13‘ %1.‘ 7/2.J (3;‘ 02.‘ ;119‘ 1H(3(13‘ :.(3;‘ 02.‘ 97()‘ 739‘ 3(;0/)‘ 52.Q(42‘ 7/‘ /02‘ A:223=5‘ /1(2/‘ 75‘ @2‘ 75‘ 13‘ 1/02.‘ 1447J 5(135‘ 502‘ %1:39‘ 02.‘ (3Q7.(78)‘ N5@22/‘ 739‘ ;.74(1:5 0‘ 3‘ 41??13‘ @(/0‘ /02‘ @1.9‘ (3‘ ;232.7‘ (55‘ :.32)‘ 079‘ ;(Q23‘ 02.‘ 7G25/)‘ 4.29(/‘ %1.‘ ;119‘ 52352‘ 73‘ 7?(78 2‘ 9(5J H15(/(13‘ 739‘ /02‘ ?15/‘ 2M2?H7.)‘ 4139:4/‘ (3‘ /02‘ .2 7J /(135‘ 1%‘ H.(Q7/2‘ (%2X 8:/‘ %1.‘ /02‘ 92H/0‘ 1%‘ .279(3;‘ 739‘ 51:393255‘ 1%‘ :392.5/739(3;‘ @0(40‘ 502‘ 9(541Q2.29‘ (3‘ 02.‘ .1)7‘ ?(5/.255‘ /02‘ 7:/01.255‘ 1%‘ N‘ Q2(37‘ 0‘ /2 5‘ :5‘ /07/‘ 502‘ @75‘ I:(/2‘ :3H.2H7.29‘ N‘ ‘ 079‘ 31/‘ (?7;(329 0‘ 502‘ @.(/25‘ N‘ /07/‘ 50:/‘ :H‘ (3‘ /02‘ 413%(329‘ (?(/5‘ 1%‘ 7‘ 1:./‘ 502‘ 41:9‘ 07Q2‘ 74I:(.29‘ 73)‘ 8:/‘ /02‘ ?15/‘ 5:H2.%(4(7‘ >31@ 29;2‘ 1%‘ /02‘ @1.9‘ 739‘ /02‘ ?15/‘ H7./(7‘ (35(;0/‘ (3/1‘ 407.74/2.‘ :/‘ ‘ %(39‘ 31@‘ ‘ 07Q2‘ 13)‘ 9132‘ G:5/(42‘ /1

F‘ 797?2‘ = .87)=5‘ (7.)‘ 739‘ 2//2.5‘ Q1‘ ((‘ HH‘ L,!<L,+

/‘ 02‘ 5(/:7/(13‘ 02 9‘ 8)‘ (55‘ :.32)‘ @75‘ /07/‘ 1%‘ 24139‘ 22H2.‘ 1%‘ /02‘ 1825‘ /1‘ /02‘ A:223‘ /1‘ @0(40‘ 502‘ @75‘ 7HH1(3/29‘ (3‘ :)‘ !$"#‘ 02‘ @75‘ (3928/29‘ %1.‘ (/‘ (/‘ (5‘ 57(9‘ H7./)‘ /1‘ 02.‘ (/2.7.)‘ .2H:/7/(13‘ 739‘ H7./)‘ ‘ /02‘ %.(23950(H‘ 1%‘ .5‘ 2 73)‘ B ,‘ "‘ Q1‘ MM‘ H‘ +#*

02.' 9(5H15(/(13' 31/' /1B02.' H7./5' @0(4 (' 7.2' /.:)' 1%' /07/' 5:H2.(1.' 1.92.' /07/' ?7>25' 57;74(/)' (3/:(/(Q2)' 5:HH)' /02' H 742' 1%' 2MH2.(2342' 3' /02' 41:.52' 1%' /0(5B' ?13/0' ' 5H23/' ?:40=/(?2' I:(/2' 7 132' @(/0' 02.' 739' 32Q2.' 1342' I:(//29' 02.' H.252342' @(/01:/' %.250' 79?(.7/(13' 1%' 02.' /7 23/5 0' F ' 02' %1 1@(3;' 2//2.5' @.(//23' 8)' 21.;2' /02' 0(.9' 781:/' /0(5' H2.(19' /1' 1.9' 1@2' 7.2' 7442H/78 2' 75' @2 ' %.1?' /02(.' 827.(3;' 13' /02' 27.)' 0(5/1.)' 1%' /02' (3;=5' /0(.9' 513' 7%/2..R @7.95' (3;' D((7?' /02' 1:./0' 75' %.1?' /02(.' 2Q(34(3;' /02' (3/2.25/' P@0(4G(' 0(5' 7G25/)' 413/(3:29' /1' /7>2' (3' /02' 7Q7' 2.Q(42

' ' :6 " ' J +
2

1')?,4' !$"V' P' H',' @

= E ^^ 02' 2H1./' 792' 8)' 1??191.2' 1@2.' 1%' /02' 50(H5' 02R.(75' 7 .279)' ?:5/2.29' 502@5' /02' :/((/)' 1%0(5' 7HH1(3/?23/' 739' @(H.1878)' 14475(13 XBa' 5(?(7.R(35H24/(13' (3 /(?2' 1%' H2742' 2Q2.)' /@1' 1.' /0.22')27.5' 8)' 51?2' 7 2./' % 42.' ' 7?' ; 79' /1' %(39' 02' (5' 413/23/29' @(/0' /02' 4139:4/' 1%' 7 ' 0(5' (42.5' ' 07Q2' 027.9' %.1?' 132' 1%' 0(5' (2:/2H73/5 % B@01' 74>31@ 29;25' /07/' =02' 9:/)' 1%' 0(5' 32@' 41.7?(55(HH' 5(/5R?1.2' 7@>@7.9)' 13' 0(?' /073' 02'501: 9' 07Q2' X2MH24/29P' 8:/ /.:5/5' @(/0' 755(9:(/)' 5113' /1' 1Q2.41?2' (/

'$ ' ' '$

N' &L' + 45 '!$"V' B

' B N 1.9' 1@2'(5' 925(.29' /1' 5239' /02'(34 1529' 8)' /02' -15/' /1' R-1./5(3H(%/0' F' /.:5/' 02' D(' 7441?H73)' (/' @(/0' 73' % ' /1B 1??191.2' 2Q(513' 739' 7 51' a H.(Q7/2' 132' 9(.24/(3;' R 0(?' /1' ;(Q2' %: ' 9(.24/(835' /1' 7H/7(3' 01.381.1:;0' 01@' B02'(5' /1' 4139:4/' 0(?52 %/1@7.95' 6' '0 " ' " ' 739' /07/' 02'(5' /1' 2MH24/Pa' Q2.)' 4135/73/' 7//2397342' %.1?' 0(?' 13' 817.9' 0(5' 50(H' @0(2(3' 73)' -1./=e

F' 797?2' = .(7)=5' (7.)' 739' 2//2.5 BQ1 ' (((' H' !#,
]' -((:41' D((7?' 23.)' 7%/2.@7.95' :>2' 1%' 7.2342' 079' 8223RH.1?1/29' /1' /02' .73>' 1%' (2:/2373/'13' /02' !$/0' 1%' :32' !$"V' 739' 13' /02' 57?2' 97)' @75' 7HH1(3/29' /1' /02' N' 401 0' (3' @0(40' 50(H' 02B@75' 7/B/0(5' H2.(19' 52.Q(3;'
' ' 1.(;(:7' e' '5 # 0 E

VL*

s!$ #F

‘+ 4 ‘ ‘ ‘+ 4 #

1 P ‘ > & <) ‘ (y(^!$" ‘ 5G‘ H‘ V‘ @

N‘ .‘ 7?‘ 51..)‘ /1‘ 522R‘ 8)‘ /02‘ H7H2.5‘ .242(Q29‘ 7/‘ /02‘ 9J ?(.7 /)‘ %.1?‘ 1??191.2‘ 7@)2.‘ /07/‘ 7H/7(3‘ 23/(34 4‘ 522?5‘ 31/‘ 51‘ 413Q2.573/‘ (3‘ /02‘ 324255(/)‘ 1%‘ 182)(3;‘ /02‘ 1.92.5‘ 1%‘ 7‘ 5:H2.(1.‘ 1%%(42.‘ 75‘ ‘501: 9‘ 07Q2‘ 01H29‘ 2Q2.)‘ 132‘ 8.29‘ (3‘ /02‘ 7Q)‘ ?:5/‘ 07Q2‘ 8223‘ 413Q(3429‘ 1%‘ ‘91‘31/‘ 522‘ 01@‘ /02‘ 1??191.2‘ 41: 9‘ 7Q1(9‘ 5:5H239(3;‘ 0(?‘ 1.‘ @.(/(3;‘ /1‘ /02‘ 9?(.7 /)‘ @023‘ /02‘ 7H/7(3‘ 2Q23‘ 91:8/5‘ /02‘ 41?H2/234)‘ 1%‘ /07/‘ 17.9=5‘ G:9;(3;‘ 1%‘ /02‘ H.1H.(2/)‘ 1%‘ /02‘ 5:5H235(13‘ 739‘ 1%‘ /02‘ (32‘ 1%‘ 4139:4/‘ /1‘ 82‘ 02 9‘ @023‘ /02.2‘ 7.2‘ 31/‘ (3‘ -1./‘ 7‘ 5:%%(4(23/‘ 3:?82.‘ 1%‘ 47H/7(35‘ /1‘ %1.?‘ 7‘ 1:./‘ 7./(7

N ‘ 0F

02‘ %1 1@(3;‘ H7557;2‘ (5‘ (3/2.25/(3;‘ 75‘ /0.1@(3;‘ 7‘ (;0/‘ 13‘ /02‘ (3;=5‘ Q(2@5‘ (3‘ .25H24/‘ /1‘ /02‘ ;.27/‘ I:25/(13‘ 1%‘ -7.(7?23/7.)‘ 2%1.?

U‘ ‘8 ‘ ‘< # > #

M/.74/Y

N‘ +*‘ !$"V

N‘ .‘ -(//‘ ?:5/‘.241 24/‘ /07/‘ /01:;0‘ ‘07Q2‘ 2Q2.‘ /01:;0/‘ (/‘:3%1./:37/2‘ /07/‘ 02‘ 079‘ 27.)‘ 23;7;29‘ 0(?52 %‘ (3‘ /0(5‘ ?275:.2‘)2/‘ /07/‘ ‘07Q2‘ 2Q2.‘ 57(9‘ /07/‘ 75‘ 02‘ @75‘ 4 27.‘ 1%‘ /02‘ H.1H.(2/)‘ 1%‘ /02‘ ?275:.2‘ 02‘ 1:;0/‘ /1‘ 7)‘ 0(5‘ /01:;0/5‘ 82%1.2‘ /02‘ 1:52‘ 07/‘ 1:/‘ 1%‘ H2.5137‘ .2;7.9‘ /1‘ 0(?‘ ‘ @1: 9‘ 7Q1(9‘ ;(Q(3;‘ 73)‘ 1H(3(13‘ /1‘ 73)‘ 132‘ 13‘ /02‘ 1H23(3;‘ 1%‘ /02‘ 911.‘ /1‘ -7.(7?23/7.)‘ 2%1.?‘ 2M42H/‘ /1‘ 0(?‘ /02.2%1.2‘ ‘7?‘ 42./7(3‘ .‘ -(//‘ 47331/‘ 5:5H24/‘ ?)‘ 07Q(3;‘ (3% :23429‘ 73)‘ 132‘ 13‘ /02‘ 14475(13‘ %‘ 1/02.5‘ P401152‘ %1.‘ 8752‘ 2395‘ /1‘ (?H:/2‘ 5:40‘ 7‘ 4139:4/‘ /1‘ ?2‘ ‘ ?:5/‘ 827.‘ (/‘ 75‘ %1.?2.‘ %7 52‘ 5:;;25/(135‘ 39229‘ 13‘ 7‘ I:25/(13‘ 1%‘ 5:40‘ ?7;3(J /:92‘ ‘501: 9‘ /0(3>‘ Q2.)‘ (‘1%‘73)‘ ?73‘ @01‘ /11>‘ 7‘ H7./‘ 13‘ 2(/02.‘ 5(92‘ @(/01:/‘ /02‘ ?7/:.25/‘ 4135(92.7/(13‘ 739‘ @01‘ @1: 9‘ 5:%%2.‘ 0(5‘ 4(Q((/)‘ /1‘ 73)‘ 132‘ /1‘ ?7>2‘ 0(?‘ Q1/2‘ 413/.7.)‘ /1‘ 0(5‘ 1@3‘ 1H(3(13 0‘ /

02‘ (3;‘ 75‘ 1.9‘ 747: 7)‘_075‘ H1(3/29‘ 1:/‘ 31/‘ 13)

F‘ ‘1.(;(37

/‘ 1?(32=5‘ (%2‘ 1%‘ -(//‘ Q1‘ ((‘ H‘ L*‘ L.9‘ 9(/(13 7.‘ /7301H2=5‘ (%2‘ 1%‘ -(//)1‘ (‘ H‘ &

[‘ H; " ‘ ‘ ‘ ‘ V"!

.2%.7(329‘ %.R1?‘ H.2G:9(4(3;‘ 1/02.5‘ 7;7(35/‘ 0(5‘ (3(5/2.=5‘ H.1J G24/29‘ H 73‘ 1%‘ 2H.2523/7/(Q2‘ 2%1.?‘ 8:/‘ 8)‘ /02‘ /231.‘ 1%‘ 0(5‘ 5H2240‘ %.1?‘ /02‘ /0.132‘ 7/‘ /02‘ 1H23(3;‘ 1%‘ /02‘ 255(13‘ 02‘ @75‘ :392.5/119‘ 2MH.255)‘ /1‘ .241?? 239‘ /02‘ ?275:.2‘ /1‘ /02‘ 4135(92.7/(13‘ 1%‘ -7. (7?23/ F

3‘ /02‘ #/0‘ 1%‘ :)‘ /02‘ (3;‘ 23/2.29‘ 0(5‘ /0.22‘)1:3;2.‘ 5135‘ /02‘ -.(3425‘ .325/‘ :;:5/:5‘ 739‘ 91 H0:5< 7%/2.J @7.95‘ 5:44255(Q2)‘ :>25‘ 1%‘ :?82.739‘ :552M‘ 739‘ 7?8.(9;2< 75‘ 5/:923/5‘ 1%‘ /02‘ 3(Q2.5(/)‘ 1%‘ R1//(3;23‘ 1‘ /02‘ (501H‘ 1%‘ D1.425/2.‘ /02‘ (3;‘ @.(/25‘ 13‘ /02‘ RL*/0‘ 1%‘ :)‘ !$"#‘ N)‘ 7441:3/5‘ %.1?‘ 1//(3;23‘ 1%‘ /02‘ (// 2‘ 1 13)‘ ‘ 07Q2‘ 523/‘ /02.2‘ (5‘ Q2.)‘ %7Q1:.78 2‘ ‘ /0.22‘ Ü 522?‘ 0(;0)‘ 92 (;0/29‘ 739‘ H 27529‘ @(/0‘ /0152‘ /07/‘ 07Q2‘ /02‘ (35H24/(13‘ 1%‘ /02?‘ :/‘ @07/‘ H 27525‘ ?2‘ ?15/‘ (5‘ /02‘ 57/(5%74/(13‘ /02)‘ 2MH.255‘ 7/‘ /02‘ 41:.52‘ 1%‘ /021 1;)‘ /02)‘ 07Q2‘ 82;:3‘ @(/0‘ -.1%2551.‘ 255‘ -.1%2551.‘ -2)32‘ ;(Q25‘ /02?‘ 255135‘ (3‘ /02‘ (755(45 %‘ 739‘ 075‘ 73‘ 755(5/73/‘ %1%‘ /02‘ .1:;02.‘ @1.>‘ 02)‘ 27.3‘ 0(5/1.)‘ ;21;.7H0)‘ ?1.7‘ H0(J 151H0)‘ ?7/02?7/(45‘ 739‘ 2MH2.(?23/7‘ H0(151H0)‘ 51‘ /07/‘ /02(.‘ /(?2‘ (5‘ %:)‘ 2?H 1)29‘ ‘ /0(3>‘ 91 H0:5‘ .‘ 7/‘ H.2523/‘ 522?5‘ /02‘ %7Q1:.(/2‘ 1%‘ 7‘ @0(40‘ %.1?‘ 0(5‘ (Q2)‘ ?7332.5‘ (5‘ 37/:.7‘ 8:/‘ /02‘ ;119‘ 52352‘ 1%‘ :;:5/:5‘ e‘ @(‘ (3‘ /02‘ 239‘ H.1Q2‘ 4135H(4:1:5‘ \G

3‘ /02‘ 5:??2.‘ 1%‘ /0(5‘)27.‘ @2‘ %(39‘ /02‘ 027 /0‘ 1%‘ /02‘ -.(34255‘ (6782/0‘ 14475(13(3;‘ 4135(92.78 2‘ :3275(3255‘ /1‘ /02‘ (3;P39‘ /02‘ 1)7‘ 7?()‘ 1‘ /02‘ (501H‘ 1%‘ D1.J 425/2.‘ /02‘ (3;‘ @.(/25‘ 13‘ /02F+39‘ 1%‘ 2H/2?82.< N‘ D 2‘ 07Q2‘ 079‘ 51?2‘ 7 7.?‘ (3‘ 41352I:2342‘ 1%‘ 7‘ 5H75?19(4‘ 7//74>‘ 13‘ /02‘ 8.275/‘ 1%‘ (6782/0‘ @0(40‘ 14475(1329‘ 51?2‘ (3% 7??7J /(13‘ 8:/‘ 8)‘ /02‘ 5>(‘ 1%‘ (.‘ 21.;2‘ 7>2.‘ 502‘ (5‘ 31@

F‘ 1.9‘ 747:7)=5‘ (1;.7\Y((25‘ H‘ !,#

]‘ -.1%2551.‘ 7)2.‘ @75‘ /02(.‘ (35/.:4/1.‘ (3‘ /02‘ 2.?73‘ 73;:7;2‘ -.1%2551.‘ 2)32‘ (3‘ 7/(3‘ 1:352 1.‘ 255‘ (3‘ 2(;(13‘ 739‘ 1:352 1.‘ 292.‘ (3‘ 1.7(/)‘ 02‘ /0.22‘ H.(3425‘ 19;29‘ /1;2/02.‘ (3‘ /02‘ 57?2‘ 01:52‘ & ‘ ‘ !$"#‘ H‘ +*#‘ /‘ ‘ /02‘ 7/2‘ :>2‘ 1%‘ 7?8.(9;2 B e‘ ‘ /02‘ 7/2‘ :>2‘ 1%‘ :552M ‘ 23/2)=5‘ (542 73)‘ Q1‘ MMQ(‘ HH‘ LLS<V

H2.%24/)' .241Q2.29' 739' (3' 7' %2@' 97)5' @(' .25: ?2' .(9(3;' 13' 01.52874>' @0(40' 075' 42./7(3)' /0(5' 5: ? ?2.' 7;.229' @2 ' @(/0' 02. O' F' 3' /02' +"/0' 1%'/02' ?13/0' 7 51' .5' 2 73)' @.(/25' /1' .5' .73425' 7?(/13 < N' '/073>' 19' -.(34255' (6782/0' 522?5' 31@' .25/1.29' /1' /07/' 027 /0' @0(40' 2Q2.)' 132' @01' >31@5' 02.' ? :5/' @(50' 02.' 13' 02.' 1@3' 7441:3/' 75' @2 ' 75' ?73)' 1/02.5' /1' H155255' 02' (5' 5/(' 92 (47/2' 739' 9125' 31/' 7//239' /02?' s/02' (3;' 739' A:223Z' 7/' /02' 9.7@(3;' .11?' @023' /02)' ;1' /1' /1@3' 75/' .(97)' 2Q23(3;' 502' 079' /02' ;1193255' /1' H2.?(/' ?2' 739' (55' -1./' /1' 5H239' /02' 2Q23(3;' @(/0' 02.' 1/0(3;' 473' 82' ?1.2' 7?(78 2' 1.' ?1.2' 23;7;(3;' /073' 502' (5 O' %

/' @75' 7' 501./' /(?2' H.2Q(1:5)' /1' /02' 97/2' 1%' /0(5' 2//2.' /07/' 73' 2Q23/' 144:..29' @0(40' 327.)' H.1Q29' %7/7' /1' /02' (3;=5' (%2' 739' @0(40' 82 1Q29' 75' 02' @75' 7/' /0(5' H2.(19' 8)' 0(5' 5:8G24/5' 2M4(/29' 73' 2M/.71.9(37.)' 52357/(13' 3' /02' B+39'_%' :;:5/' /02' (3;' @75' 7(;0/(3;' %.1?' 0(5' 47..(7;2' 7/' /02' ;7.923R23/.7342' /1' /' 7?25=5' -7 742' @023' 7' @1?73' 1%' .25H24/78 2' 7HH27.7342' 7HH7.23/)' ;81:/' /0(./)R' 5(M')27.5' 1%' 7;2' 2M/.(47/29' 02.52 %' %.1?' /02' 4.1@9' 739' H.2523/29' /1' /02' (3;' 7' H7H2.' 07Q(3;' /02' 7HH27.7342' 1%' 7' H2/(/(13' @0(40' 02' ;119R37/:.29)' 2M/23929' 0(5' 0739' /1' .242(Q2' /'/0(5' ?1?23/' /02' @1?73' @(/0' 02.' 2%/' 0739' ?792' 7' 9(.24/' /0.:5/' 7/' /02' (3;=5' 027./' @(/0' 7' >3(%2' @0(40' 02' %1./:37/2)' 7Q1(929' 8)' ?7>(3;' 7' 874>@7.9' ?1Q2J ?23/' 02' 8 1@' @75' (??29(7/2)' %1 1@29' :H' 8GP' 731/02.' 13' @0(40' 7//2.' 14475(13' /02' H1(3/' 1%' /02' >3(%2' 5/.:4>' /02' (3;=5' @7(5/417/' 8:/' %1./:37/2)' /02' @27H13' @75' @1.3' 51' /0(3' /07/' (/' 823/' 7;7(35/' 0(5' H2.513' /' /0(5' (35/73/' 132' 1%' /02' .1)7' 7//23973/5' 52(629' /02' @1?73=5' 7.?' 739' @.234029' /02' >3(%2' %.1?' 02.' @0(40' %2' /1' /02' ;.1:39' 02' 8)J 5/7392.5' (/' @1: 9' 522?' @2.2' H.14229(3;' /1' @.27>' 5:?R

F' 23/2)=5' (542 73)' Q1' MMQ('H' LLV
]' 2//2.5' /1' .5' .73425' 7?(/13' H' $#' (%2' 739' 1..25H' 1%' .5' 4 73)
)' 79)' 731Q2.' Q1' (((' H' L,L' +39' 4.(25

?7.)' Q23;27342' 13' /(2' 755755(3' @023' /02' (3;' ;232.1:5)R' (3/2.%2.29' (3'02.'8207 %' N 02'H11.'4.27/:.2 0'02'2M4 7(?29' N'(5' ?79' 91'31/'0:./'02.X 502'075'31/'0:./' ?20' 2'/023' 5/2HH29' %1.@7.9' 739' 501@29' 0(?52 %'/1'/02'H1H:742' 755:.J (3;'/02?'/07/'02'@75'H2.%24/)'57%2'739' :3(3G:.29 F

32' 1%' /02' %(.5/' 523/(?23/5' 2MH.25529' 8)' /02' (3;' 13' 23/2.(3;' /02' H7 742' @75' 7' /1:40(3;' 7HH.20235(13' /07/' 02' 079' 427529' /1' 82' 1Q29' 8)' 0(5' 5:8G24/5' D07/' 079' 02' 9132' /1' /02?' 02' 57(9' /07/' 02' 501:9' ?2.(/' 5:40' /.27/J ?23/'¢ 5'%1.'H2.5137'%27.' 75'02'079'32Q2.'82/.7)29'73)' 13' %1332.' 14475(135' @023' 0(5' (%2' 079' 8223' (3' (??(323/' H2.('(/'@75'31/'/1'82'2MH24/29'/07/'02'501:9'?73(%25/'73)' (3'/02'H.2523/'(35/7342' D023'02'23/2.29'/02'2Q22R.11?' @02.2'0(5'H.252342'@75'73M(1:5)'7@7(/29'2Q23'/0152'@01' @2.2'825/'74I:7(3/29'@(/0'0(5'4135/(/:/(137'%27.2553255' @2.2'75/13(5029'7/'0(5'79?(.78 2'(?GY2./:.878(/)' '0(5' /01:;0/5'522?29'/1'82'@(/0'/02'A:223'739'0(5'97:;0/2.5' @0152'%22(3;5'02'%27.29' ?(;0/'82'5:9923)'5014>29'8)' 51?2'78.:H/'1.'2M7;;2.7/29'7441:3/'1%'/02'973;2.'02'079' 2547H29' 2'@75'/02.2%1.2'73M(1:5'/1'0:..)'874>'/1'/02?' 31/'82(3;')2/'7@7.2'/07/'0(5'@(5025'079'(3'/02'?273'/(?2' 8223'73/(4(H7/29'8)'7'>(39'739'G:9(4(1:5'%.(239' 02' H73(50' (3(5/2.' '92' 7?H1'>31@(3;'/07/'7%/2.'/02' 2Q22'/02' (3;'@1:9'82'%:./02.'92 7)29'(3' 13913'8)' 07Q(3;'/1'H.25(92'7/'7'-.(Q)' 1:34('079'H15/29'%.1?'/02' 2Q22'407?82.'/1' D(3951.<31/'75' ?(;0/'82'413G24/:.29' @(/0'/02'1%%(4(1:5'18G24/'1%'82(3;'/02'%(.5/'/1'7331:342'/02' (3;=5'57%2/)'/1'/02'A:223'8:/'/1'/7>2'79Q73/7;2'1%'0(5' 0(;0'H15(/(13'8)'92?739(3;'73'7:9(2342'@(/0'02.'739' >22H(3;'02.'23;7;29'(3'413Q2.57/(13'/('/02' (3;'501:9' 7..(Q2'/1';(Q2'0(5'1PQ3'7441:3/'1%'/02'79Q23/:.2'GK

D023'R/02' (3;'.2/:.329'/1'D(3951.' 75/2'/02.2'@2.2

F' 797?2' =.87)=5' (7.(25'739' 2//2.5'Q1'(((''HH'S#'S$' 13913' 762//2' M/.71.9(37.)'%1.'+' :;:5/'!$"#

]' ' :/235= 2?1(.5'1%'7' .7Q2 2.'31@'(3' 2/(.2?23/'Q1'(Q'H'++L' 4

H.2523/ (3 /0i A:223=5 7H7./?23/ 825(925 02. 7G25/) /02 -.(34255 1)7 /02 -.(34255 :;:5/7 /02 :40255 1% 3475/2. 739 79) 07.1//2 2./(2 02 (3; 13 H2.J 42(Q(3;/02 H73(50 (3(5/2. .(;0/) 413G24/:.29 0(5 7?(78 2 ?1/(Q2 %1. 82(3; /02.2 739 @7.?) H.25529 0(5 0739 9Q734(3; (3 73 73(?7/29 ?7332./1 /02 A:223<N 2.2 7?X O 02 57(9 ;7( ) N 57%2 739 @2 75)1: 522<P8:/ 07Q2 Q2.) 37..1@) 2547H29 82(3;5/78829 O 1 78.:H/ 73 7331:342?23/ H.19:429 7 Q2.) 9(%%2.23/ 2%%24/ :H13 /02 A:223 739 /02 79(25 1% /02 1:./ /073 /07/ @0(40 /02 (3;079 73/(4(H7/29 N 02 A:223 O @.(/25 (55 :.32) N @75 52(629 @(/0 7 4135/2.37/(13 /07/ 7 ?15/5/:H(%(29 02. O ?15/H7(3%: 5(2342 %1 1@29 (3/2..:H/29 13)8)/02 5185 1%/02 /@1 -.(3425525 /23;/0 /02 A:223 ;73429 .1:39 :H13 /02 :40255 1% 3475/2. 739 79) 07.1//2 2./(2 81/0 1% @01?079 8:.5/ (3/1 /27.5 N 1@ 23Q))1:T O 502 2M4 7(?29X N 47331/4.) O 02 (3; 01@2Q2. %: 1% ;.7/(/:92 %1. 0(5 2547H2 H2.52Q2.29 (3 ?7(3/7(3(3; 0(5 37/:.7 Q(Q74(/) 1% ?7332. N D(/0 /02 ;7)25/ ;119 0:J ?1:. O @.(/25 (55 :.32) N 02 9(9 0(5 :/?15/ /1 41?%1./ /02?X 739 /023 ;7Q2 7 .2 7/(13 1% /02 7%%7(. @(/0 7 47 ?3255 739 :341342.3 /07/ 079 73) 132 8:/ 0(?52 % 8223 0(5 02.1 @1: 9 07Q2 8223 .2;7.929 75 /1/7) :3J %22 (3; O 3 32 1% /02 ?15/H 275(3;/.7(/5 (3 /02 (3;=5 H139:4/ 13 /0(5 14475(13 @75 /02 4135(92.7/2 /01:;0/%:J 3255 @(/0 @0(40 02 075/2329 /1 5H7.2 /02 %22 (3;5 1% 0(5 Q232.78 2 %.(239 .5 2 73) N 02(. 7G25/(25 O 502 @.(/25 N 523/ (??29(7/2)/1 ?) 01:52 /1 ;(Q2 1.98.5 501:9 31/ 82 /1 9 1% (/ /(/02 32M/ ?1.3(3; %1. %27. /02 7;(/7/(13 501:9 ;(Q2 ?2 7 879 3(;0/O /@75 74J 41.9(3;)31/ /(/02 %1 1@(3;?1.3(3; /07/ /02 1@7;2. 79) H2342. 8)/02(. 7G25/(25=925(.2 8.1>2 /1 02. /02 H7./(4:7.5 1% /02 (3;=5 2547H2 KF

U 797?2 = .87)=5 (7.)739 2//2.5 Q1 (((HH SV S# /B 473)=5 2//2.5/1 .5 .73425 7?(/13 HH $S<$#

3' 7' 514(2/) ' (3' @0(40' /02' (3 ;' @75' 51' /2392.)' 1Q29 ' (/' @75' 13)' /1' 02' 2MH24/29' /07/' 51' H7(3%: ' 739' :3 11>29R%1.' 7' 47/75/.1H02' 501: 9' 4.27/2' 73' 2M/.71.9(37.)' 52357/(13 ' N' 02' 7%%24/(13' %1.' /02' (3; O' @.(/25' (55' :?2) < P@01' @75' 0)' /0(5' /(?2' 91?25/(47/29' @(/0' /02' 1)7 ' 7?( ) < N' 075' 8223' %2 /' 8)' 7 ' 0(5' 01:5201 9 ' 739' 075' 8223' 7/' 1342' H 27573/' 739' 7%%24/(3 ;' /1' ?2' /1' 1852.Q2 ' 02.2' 07(' 31/' 8223' 7' 9.)' 2)2' (3' 2(/02.' 1%' /02' 19;25 ' 13' /02' .24(/7 ' 1%' 0(5' 973;2.X' 739' 31/' 7' %742 ' 8:/' 0(5' 1@3 ' /07/' 075' 31/' @1.3' ?7.>5' 1%' 47.2' 2Q2.' 5(342 O' F' 3' /02' Q2.)' 2Q23(3 ;' 1%' /02' 97)' 13' @0(40' 0(5' (%2' @75' 7//2?H/29 ' /02' (3; ' ?:40' /1' /02' 7HH.20235(13' 1%' /02' A:223 ' (35(5/29' 13' ?7>(3 ;' 0(5' 7HH27.7342' 7?13 ;' 0(5' 5:8G24/5' 13' /02' 4.1@929' /2..742' 7/' D(3951. ' 7//23929' 13)' 8)' 7' 5(3; 2' 2I:2..) ' N' 02' H11.' A:223 O' @.(/25' (55' ?32) ' N' @23/' @(/0' 0(?' H7 2' 739' 5(23/ ' 02' -.(3425525' %1 1@29 ' 547.42')2/' 41?? 739(3 ;' /02(.' /27.5 ' 3' /02' 2Q23(3 ;' G:5/' 75' :5:7 ' /02' (3 ;' 079' 0(5' 41342./ ' 8:/' (/' @75' 73' 2Q23(3 ;' 1%' ;.(2%' 739' 01..1.' /1' 0(5' %7?( ) ' 1/0(3 ;' @75' (5/2329' /1 ' 47.42' 7' @1.9' @75' 5H1>23 ' 02' -.(3425525' @2H/' 413/(3:7) ' 02' A:223 ' 5/(' ?1.2' 922H)' 5/.:4>' 41: 9' 13)' %.1?' /(?2' /1' /(?2' 01 9' 1:/' 02.' 0739' /1' /02' (3; ' 739' 57) < ^ ' 07Q2')1:') 2/† < D023' ' @23/' /1' /02' A:223' 7/' 3(;0/ O' 7995' (55' :.32) ' N' 502' 547.42' 1342' 1H2329' 02.' (H5 ' 39229 ' ' 41: 9' 31/' 11>' 7/' 02.' @(/01:/' %22 (3 ;' /02' /27.5' .279)' /1' 5/7./' (3/1' ?)' 2)25 ' :/' ' @75' Q2.)' ; 79' /1' 027.' 7;7(3' /02' Q1(42' 1%' /02' (3; ' /01:;0' 13)' %.1?' /02' 32M/' 7H7./?23/ ' 739' 47 (3 ;' /1' 132' 1%' 0(5' 91;5 O' D023' (55' :.32) ' 13' /02' %1 1@(3 ;' ?1.3(3 ;' 7//23929' 7/' /02' A:223=5' /1(2/ ' 02.' 7G25/)' 11>29' 51' (' /07/' (/' N' @75' 275)' /1' 522' 01@' ?(52.78 2' 079' 8223' 02.' 3(;0/ O'

(/' ?7)' 82' ?23/(1329 ' 75' 4.29(/78 2' /1' /02' 5235(8((/)' 81/0' 1%' 1:(5' /02' (M/223/0' 739' 7.(2' 3/1(32//2 ' /07/' /02)' 52Q2.7)' 922H)' 5)?H7/0(629' @(/0' /02' 9(5/.255' @0(40' /02

7//2?H/' 13' 21.;2' /02' ((.9=5' (%2' 23/7(29' :H13' /02' .1)7'%7?()'(3' 3;739' 3' 73' :397/29' 2//2.' .' 923' 7%/2.@7.95' 1.9' :4>739'@.(/25'/1' 1.9' 7.?7./023'%.1?' -7.(5<N' 2.' 15/' 0.(5/(73' 7G25/)' 7/' 797?2' 92' -1R' (;374=5' 13' :2597)'(3' 7' 413Q2.57/(13'.25H24/(3;' /02' 4(.J 4:?5/7342' 1%' /02' 7/2' 7//2?H/' 7/' /' 7?25=5' 13' 0(5' 7G25/)=5' H2.513'Q?5' 29' /1' ?23/(13' /02' H24:(7.' 739' 7%%24/(137/2' ?7332.'(3'@0(40' 0(5' 15/' 0.(5/(73' 7G25/)' @75' 5014>29' 8)'/02' 32@5'@023'(/'@75'%(.5/' ?23/(1329' /1' 0(?' 39' 502' 79929'(3' Q2.)' 8241?(3;' /2.?5' /07/' 13' 5:40' 73' 14475(13' 502' %2 /' ?15/'%1.' /02' A:223 0' P

%' /02' :307HH)'@1?73'@01' 079' 8223' /02' 14475(13' 1%' 51' ?:40' 2M4(/2?23/' 739' 1%' 51' ?73)' /27.5' 7' %2@' @1.95' .2I:(.2' /1' 82' 57(9' 02' @75' /@(42' 2M7?(329' 82%1.2' /02' -.(Q)' 1:34(' @02.2' (/' @75' 2(4(/29' /07/' 02.' 37?2' @75' 7.;7.2/' (401 513'X /07/' 502' @75' /02' 97:;0/2.'1%' 21.;2' (401 513' 7' 87.82.' 7/' /14>/13R:H13R 225X /07/' /02' H7H2.' @0(40' 502' 92 (Q2.29' /1' /02' (3;' 413/7(329' 31' 1/02.'@1.95' /073<N' 7)'(/'H 2752')1:.' 7G25/)X 0' 739' 75/)' /07/' 502' @75'@29929' /1' /02' 31/(13' /07/' /02' .1@3' 1%' 3;739'@75' 02.5' 8)'.(;0/' 739' /07/' (%'@(/002 9'%.1?'02.' 3;739'@1:9' 82' 92 :;29' (3' 8 119' %1.' 7' /01:5739')27.5' 2(3P' 75>29' :H13'@07/';.1:39' 502' %1:3929' 02.' 4 7(?' 502' .2H (29' /07/' (/'@75' 7' ?)5/2.)' HH7.23/)' 502'@75' 8)' 37/:.2' 7'@1?73' 1%' 51?2' 50.2@93255' 32' 1%' /02' 1.95' 1%' /02' 1:34(' 07Q(3;' 23I:(.29' 1%' 02.' @0)' 02.' ?2?1.(7' 079' 413/7(329' 31' 5H24(%(4' .2I:25/' 02.' 735@2.'@75' ?1.2' .7/(137' /073' /02' I:25/(13' 1' 13;' 502' .2H (29' 75' 502' @75' 78 2' /1' 2%%24/' 02.' 18G24/' @07/' 41:9' (/' ?7//2.'@02/02.' /02' 914:?23/' @75' 7' @.(//23' 1.' 7' 8 73>' 132' ¢ %' 02.' (3573(/)' 01@2Q2.' 31/' 7' 91:8/' 41:9' 2M(5/' 739' 7441.9(3;)' (35/279' 1%' 9(;3(%)(3;' 02.' @(/0' 7' /.(7' %1.' 0(;0' /.27513' 502' @75' 41??(//29' /1' 29 7?%' N .5' (401 513 0' @.(/25' /02' :>2' 1%' 1.52/' 7

%2@' 97)5' 7%/2.@7.95' N'(5' Q2.)' I:(2/' (3' 29 7?'X 5 2' 75' 925(.29' /1' 07Q2' /02' :52' 1%' H23' (3>' 739' H7H2.' @0(40' /02)' 07Q2' ;(Q23' 02. 0F' 7.;7.2/' (401 513' (/' @1: 9' 522?' 079' %1.?2.)' 8223' 7' 91?25/(4' 52.Q73/' (3' ?1.2' /073' 132' H.(Q7/2' %7?()' N)' 0739' 507>25' %1.' ' 7?' 1 9 0' @.(/25' (.' 103' 28.(;0/' /1' (.' 182./' 2(/0' 13' /02' !*/0' 1%' :;:5/'X N'739' ' 7?';1(3;'/1' /02' .7@(3;' 11?'@(/0' 79)' 28.(;0/' /1' 755:.2' /02(.' 7G25/(25' /07/' " ' 9(9' 31/' (35/(;7/2' 1:.' : T 4' 01:52?7(9' 7.;7.2/' (401 513' /1' 7//2?H/' 0(5' 574.29' (%2 < @0(40' ?7)' 19' H.252.Q2' ' 0' \

02' 7//2?H/' 13' /02' (3;=5' (%2' %73329' (3/1' 23/0:5(75?' /02' H1H:7.' %22 (3;' @0(40' 7 .279)' .73' 0(;0' (3' 0(5' %7Q1:.' 99.25525' 1%' 413;.7/: 7/(13' 13' 0(5' 2547H2' H1:.29' (3' /1' /02' %11/' 1%' /02' /0.132' %.1?'7 ' H7./5' 1%' /02' >(3;91?' D(3951.' %1.' 7' 97)' 1.' /@1' @75' %(29' @(/0' 41?H73)' @01' 47?2' /1' H7)' /02(.' .25H24/5' /1' /02(.' 1Q2.2(;3' 02' 1.9' 7)1.' 92.?23' 739' 02.(%%5' 1%' 13913' @23/' (3' H.14255(13' /1' /' 7?25=5' /1' 1%%2.' 0(?' /02?' %2 (4(/7/(135' 02' 2Q22' @0(40' /@1' 97)5' 7%/2.' /02' 7//74>' :H13' 0(?' 02' 02 9' 7/' /' 7?25=5' -7 742' @75' /0.13;29' 31/' 13)' 8)' %1.2(;3' ?875J 5791.5' 8)' (501H5' 739' :9;25' 8:/' 8)' Q232.78 2' -22.5' @01?' 7;2' %1.' 51?2' /(?2' H75/' 079' 2M4:529' %.1?' @7(/(3;' :H13' /02(.' 1Q2.2(;3' 739' 8)' 1/02.5' @01?' (34 (37/(13' 52 91?' (39:429' /1' 23/2.' /02' H7 742' 02' (3;' 0(?52 %' (5' 57(9' /1' 07Q2' ?1.2' /073' 1342' ?792' /02' .2?7.>' /07/' /02' 027./)' H.11%5' @0(40' 02' .242(Q29' 1%' 0(5' -21H 2=5' 1Q2' 13' /0(5' 14475(13' ?1.2' /073' ?792' 7?2395' %1.' /02' 973;2.' 739' 7331)7342' /1' @0(40' 02' 079' 8223' 5:8G24/29'GX

U' :4> 7:9' 1..25H1392342' Q1 ' (' H' L",
/' 2?1(.5' 739' 1..25H1392342' 1%' (.' ' ' 2(/0' ' Q1 ' ((' H' !",'
' N' 21.;2' L' 0(5' 1:./' 739' 7?()' 0' Q1 ' ((' H' #S

- - &

‘M ‘T ‘G ‘< ‘ ‘ ‘M ‘T ‘G‘ 5 ‘4

1‘ $ $ ‘ R o ¢ R % $ ¢ ! ‘AZ G)‘ !"L#

N‘)‘ 927.‘ .1>2.

N‘ 1: .‘ %(.5/‘ I : 25/(13‘ (5 < F‘ (9‘ A : 223‘ 07. 1//2‘ : 392.5/739‘ 739‘ 23G1)‘ /02‘ 2 (474(25‘ 1%‘ /02‘ 78 2 < ? 27/‘ @(32‘ n4‘ ¢ ≠ 3‘ 735@2.‘ /1‘ @0(40‘ ‘ 82 ;‘ 27Q2‘ /1‘ 57)‘ /07/‘ A : 223‘ 07. 1//2 %:)‘ : 392.5/119‘ 2Q2()R‘ /0(3 ;‘ /07/‘ .2 7/29‘ /1‘ 91 ? 25/(4‘ (%2‘ 739‘ 41352 I : 23/)‘ 41 : 9‘ .2 ; : 7/2‘ 7‘ /78 2‘ /1‘ /02‘ ? 15/‘ ? (3 : /2‘ (/2 ? ‘ 02‘ 41 : 9‘ ? 1.21Q2.‘ P ‘ 739‘ PP ;‘ # ‘ @07/‘ @75‘ H 7429‘ 82%1.2‘ 02.‘ X 8 : /‘ 502‘ @75‘ 31/‘ (3‘ /02‘ 5 (; 0/25/‘ 92; .22‘ ‘ " #) 739‘ 41 : 9‘ 739‘ 9(9‘ 2 I : 7)‘ .2 (50‘ /02‘ 5(? H 25/‘ %119

1: .‘ 524139‘ I : 25/(13‘ (5 < ^ 79‘ 797 ? 2‘ 40@2 2382. ;‘ F‘ 73)‘ .27 ‘ (3% : 2342‘ ¢ ≠ 02‘ 735@2.‘ ‘ 07Q2‘ .242(Q29‘ /1‘ /0(5‘ (5 ‘ ∞K/07/‘ (/‘ (5‘ /11‘ (? J H1./73/‘ 7‘ I : 25/(13‘ /1‘ 735@2.‘ 13‘ 73‘ : 342./7(3/)‘ X 8 : /‘)1 :‘ ? 7)‘ 92H239‘ H13‘ @07/‘ %1 1@5‘ 75‘ /02‘ /. : /0‘ 797 ? 2‘ 40@2 2382. ;‘ 079‘ 31‘ ‘ (3% : 2342‘ @07/2Q2.‘ 02‘ @2(; 0/‘ 502‘ 079‘ @(/0‘ /02‘ A : 223‘ @75‘ 413%(329‘ /1‘ 2.‘ 7G25/)=5‘ # ‘ 7. .73; 2 ? 23/5‘ 3‘ /0252‘ 797 ? 2‘ ‘ 42./7(3)‘ 2M2.4(529‘ 4135(92.78 2‘ 5@7)‘ 739‘ @75‘ (3‘ 501./‘ 51‘ 925H1/(4‘ /07/‘ 502‘ @75‘ 82//2.‘ 52.Q29‘ 739‘ ?1.2‘ 7//23929‘ /1‘ /073‘ /02‘ A : 223‘ 02.22 %‘ 2.‘ 52.Q73/‘ 18i .2‘ 75‘ 502‘ 47 29‘ 0(? Y 7 @7)5‘ @7(/29‘ 7/‘ /02‘ 5/2H‘ 1%‘ 02.‘ 911.‘ /07/‘ 502‘ ?(; 0/‘ 31/‘ 07Q2‘ /1‘ .(3 ;‘ 7‘ 82 ‘ X 739‘ 7‘ Q2.)‘ 4135/73/‘ 2MH.255(13‘ 1%F02.5‘ @75‘ /07/‘ (%‘ 5 : 40‘ 739‘ 5 : 40‘ 7‘ /0(3 ;‘ @75‘ ; 119‘ 231 : ; 0‘ %1.‘ 02.‘ 7G25/)‘ (/‘ @75‘ 31/‘ ; 119‘ 231 : ; 0‘ %1.‘ #

N 1: .‘ /0(.9‘ I : 2.)‘ (5 < ^ (9‘ /02‘ I : 2. .(25‘ 1%‘ 21. ; 2‘ /02‘ 0(.9

F‘ 02‘ %7 ? 1 : 5‘ N‘ 2.82.7‘ 0‘ 1%‘ 797 ? 2‘ = .8 7)=5‘ (7.(25

]‘ 02‘ N 735@2.50‘ /1‘ /0(5 ‘ 739‘ /1‘ . ‘ .1>2.=5‘ 1/02.‘ 23 I : (.(25‘ @2.2‘ 31‘ 91 : 8/‘ 18/7(329‘ %.1 ?‘ (55‘ - 73/5 ‘ @01‘ %1.‘ ? 73)‘)27.5‘ @75‘ ? 15/‘ 413% 43/(7)‘ 23(H 1)29‘ 781 : /‘ /02‘ H2.513‘ 1%‘ A : 223‘ 07. 1//2 ‘ N‘ (55‘ - 33/7=5‘ H15/‘ (3‘ /02‘ 1: ./‘ 7 2397. 0‘ @.(/25‘ (55‘ : .32)‘ (3‘ !$"#‘ N (5‘ /07/‘ 1%‘ 3; (50‘ 27402.‘ X 8 : / ‘ (/‘ 522 ? 5‘ /1‘ ? 2‘ /07/‘ 1%‘ H2.5137 ‘ 7//23973/‘ : H13‘ /02‘ /@1‘ 2 925/‘ - .(3425525 ‘ 02‘ (5‘ @(/0‘ /02 ?‘ 7 @7)5‘ @023‘ /02)‘ 5 : H‘ @1.> ‘ /7>2‘ /02(.‘ 255135 ‘ 1.‘ @7 > 0 < (%797 ? a‘ 9 & 5 , ‘ 9 ,‘ ‘ 0 ‘ Q1 ‘ (((‘ H‘ $"‘ =

2Q2.' 9(32' @(/0' /02(.' 7G25/(25' 7/' D(3951.c' 1' /0(5' ' 7?' 735@2.29 <' /07/' @(/0' /02' 735@2.' /1' /0(5' I:25/(13' 5340' I:2..(25' 75' ?(;0/' 82' 7 (Q2' ?(;0/' 31/' 82' H 27529' 75' /02)' @1: 9' H.1878)' @(50' /1' 07Q2' (/' 5:HH1529' /07/' /02)' 079' ' /02' 0131:.' 1% 9(3(3;' @(/0' 0(5' 7G25/)' .1?' @0(40' (/R 4 27.)' 7HH27.5' /07/' /02)' ' ' ' @(/0' /02(.' 7G25/(25

N D07/' 91')1:' 57)R/1' 07. 25' /02' 23/0=5' 927/0c' /' (5' ' " ' (5' (/B 31/' c' 739' 1:(5' -0((HH2=5' ' @(' 32Q2.' .2(;3' c' 07/' (5' ?)' (927' 1%B' /02' H.187 G((/(25' 31/02.' %7(:.2' 1% 1:.' 1@3(3;' /.22/' H1 (4)' (5' 7/' (5813' /02' Q2.)' 423/.2' 75' (/' 501: 9B82' 7/' 275/Y' 1% 1:.' %1.2(;3' H1 (4)' 739' (3% :2342' † 0'! @07/' @1: 9' 1:.' 927.' 7/2' %.(239 F' @01' ?792' 0(5' ?15/' 2 1I:23/' 2%%1./' 13' -1./:;7 ' 07Q2' 57(9' (%' 02' 079' s/01:;0/Z' 5:40' /0(3;5' ' ' C ' i' 0.22' 0:39(B49' 7.(325' 73929†' /1' 82' .247 29' 7;7(3' (3' /02' 2Q23(3;' 7/' /02' 9(4/7/(13' 1%7' .7547)' .788 2' 1%' 37/(137' ;:7.9' T

N' Q2.')1:.5

' ' ' ' ' ' ' '

' D

1' P ' > ' = 3 ' ' ! H/' !!'

N' 1.9' D2)?1:/0

N' (5/5' 1%' 5:44255(135' %.1?' .2 739' 1%' 51' 1 9' 97/25' ?:5/' .7/02.' 5:.H.(52')1:' 739' ' /0(3>' (/' .(;0/' /02.2%1.2' G:5/' /1' ?23/(13' /02' 47:52' 1%' /02' 92 7)' 7G1.' :3975' 1%' /02' !V/0' (;0/' .7;1135' 07Q(3;' 7HH (29' 13' /02' 3:?82.' 1%' (2:/2373/R 1 132 5' /1' /02' 2;(?23/5' (3' .2 739' H.1Q(3;' :3%(/' %1.' 52.Q(42' @023' 47 29' :H13' /1' ;1' @(/0' /02(.' 41.H5' /1' ?2.(47' ' 9(.24/29' /07/' 02' ?:5/' 82' .241??23929' /1' 132' 1%' /02' 2;(J ?23/5' :3 255' s8)Z' (2:/2373/R 1 132' 2791@5=5' 2M4073;(3;' %.1?' /02' !+/0' (;0/' .7;1135' %1.' 132' 1%' /0152' (2:/2373/' 1 132 4(25' :3975' 41:9' 8W' .241??23929' /1' 5:44229' 0(?' 1.9' 7.41?R/' 075' 32Q2.' 2MH 7(329' /07/' 7%%7(.' /(' ' /02' 2//2.')1:' 41??:3(47/29' /1' ?2' /02' 97)' 82%1.2')25/2.97)' X' /02.2%1.2' /02' 92 7)' 41?25' %.1?' .2 739' ' 07Q2' 9.7@3' /02' (5/5' /07/')1:' ?7)' 1.92.' /02' 1??(55(135' /1' 82' H.2H7.29' 5' 51?2' 1%' /02' (5/5' 41?2' /1' 82' 31/(%(29' 8)' /02' 24.2/7.)' 7/' D7.' /02' 2;(?23/5' 82(3;' 31@' 13' /02' .(/(50' 5/78 (50?23/' ' 07Q2' /02.2%1.2' 523/' /0152' /1' 0(?' 41352I:23/)' /02' @01 2' H.1H1529' 8)' /02' 1.9' (2:J /2373/' 075' 8223' 413523/29' /1

N' 1.9' 7..(3;/13' 9125' 31/' 18G24/' /1' 0(5' .241??239(3;' 35(;35' %1.

F' 21.;2' 733(3; /' ' .(;(37

/02' 799(/(137' 41?H73(25' 1%' /02' VL.9' VS/0' 739' +$/0' 2;(?23/5' 75' H.1H1529' (3' /02' 1.9' (2:/2373/=5' 2//2.' 1%' /02' +39' 1Q2?82.

N 02' (5/5' 1%' 5:44255(135' /.735?(//29' 13' /02' !S/0 1%' 1Q2?82.' 7.2' H2.%24/)' .2;:7.' 02' 1??(55(135' ?:5f' /02.2%1.2' (3' 41352I:2342' 82' H.2H7.29 0

s 1' 97/2 Z

1.9' D2)?1:/0

N' '925(.2')1:'@(' 4135:f' 1.9' .738)' 1.9' 7..(3;/13' 739' 7G1.' 232.7' 2.Q2)' 13' /02' 234 1529' .2H1.f' 1%' /02' 1:.f' 7./(7 X' 75')1:'9(9' @02:' /02' /@1' 51 9(2.7' @2.2' /.(29' 13' /02' %1.?2.' 14475(13 0

s 1' 97/2 Z

N' '7?' 2M/.2?2)' ; 79' /1' %(39' /02' 7@RH.14229(3;5' @(' 31@' 82;(3' /1' ?1Q2' X' /02' ?1.2' 51' 13' 7441:3f' 1%' /02' .251 :/(13' 41?2' /1' 7f' /02' ?22/(3;' 75f' 3(;(G(' @0(40' ?22/5' ?)' /01.1:;0' 7HH.187/(13 0

B 'C '", 0'5)' ..8'6<<'3 9 '

N 1.9' D2)?1:/0

N' '/.735?(f')13' /02' 2//2.' ' .242(Q29')25/2.97)' %(B1?' 1.9' 1./0' @(/0' 7' 41H)' 1%' ?)' 735@2.' 739' /02' 2//2.' ' .242(Q29' %.1?' 0(?' (3' /02' 2Q23(3;' X' 7 51' /02' 9.7%f' 1%' 132' 'H.1H152' 5239(3;' 0(?' /1' ?1..1@' ' ^ 925(.2')1:'@(' 8.(3;' /02?' 7%/2.' /02' .7@(3;' 11?' /0(5' 97)' ' @(50' /1' 522')1:'82%1.2' ?)' 413Q2(B57/(13' @(/0' /02' //1.32)' 232.7' 1' 31f' 41?2' 7/2.' /073' /0.22 0

8 '", 0'DK)'AZZg

N 1.9' D2)?1:/0

N-.1878)' 82%1.2')1:' .242(Q2' /0(5')1:'@(' 07Q2' 5223' .' 0:.R 1@F' 739' 079' 7' %:' 7441:3f' 1%' @07f' H7552' 82/@223' :5' ' 925(.2')1:' @(' 41?2' 02.2' /1' ?1..1@' 7' (// 2' 82%1.2' /@1' '507' 2MH24f')1:'(3')1:.' :39.255

N-' 02' 234 1529' (5' 7' 41H)' 1%' /02' 2//2.' ' 07Q2' 523f' /1' 1.9' 1./0' @0(40' '925(.2')1:'@(' '.2/:.3' (3' 132' 1%' /02' 8 74>' 81M25 0%

F 0:..1@' 7f' /0(5'/(?2' //1.32)' 232.7' @75' 4135/(/:/29' 1.9' 07342 1.' 13' /02' L.9' 1%' /02' %1 1@(3;' ?13/0' 739' 4.27/29' 7.13' 0:..1@

/' N' ;.2278)' /1')1:.' .241??2397/(13' ' 07Q2' /1 9' /02' //1.32)' 232.7' /07f' ' ?273' /1' 7441?H73)' /02' .27f' 27' 8)' /02' .2Q2.5(13' 1%' 7' 2 2.50(H' 739' 7' % 17/(3;

' 8 "' < ,' L!ay' !$$L

N 1.9 D2) ?1:/0

N 5 (/ (5 3242557()' /07/)1:' 501: 9' 75 27.)' 75 H155(8 2' 82 741:7(3/29 @(/0 2Q2.)' H1 (/(47' /.73574/(13' ' 234 152)1:' 7 2//2.' ' .242(Q29 75/ 2Q23(3;' %.1?' 1.9 :%%1>' /02 41H)' 1% /02 1 (4(/1.' 232.7=5F' 2//2.' @0(40 ' /01:;0/ /11' ?7/2.(7' /1' .2/:.3 @(/01:/ .242(Q(3;' /07/' 739 ?)' 735@2.' (3 413521:2342' @0(40 @75 ?273/ /1' 82 4(Q(' 739' (3 /02 H.2523/ :32MH 7(329 5(/:7/(13' /1' 82 47:/(1:5' 1:' @(' .2/:.3 /02?' @023)1:' 41?2 /1' 1:./0

6 7 + ' ! "' ! , # MM ' !$$"' 3 ' 8 '

N 1.9 D2) ?1:/0 (5 925(.29 /1' 5239 0(5 1H(13 @02/02.' /02.2 (5 73)' 18624/(13 /1' 41?? :3(47/2 /02 /0.22 2//2.5' @0(40 07Q2 H75529 5(342 /0152 5223 75/ @22>' X 7 51' @02/02.' 1.9 :%%1>' >31@5 1.9 D2)J ?1:/0 075 H2.:529 /02?' 75 ' @(50 /1' 82 41..24/ (3 /02 @ (1 2 1% ?)' 4139:4/%

P

N (9 73)/0(3;' 144:.' 7/ /02 ?22/(3;')25/2.97)' 41342.3(3;' /02 5H2240' 1.' 73)' 1/02.' H1(3/ ć0

7 + ' ! "' & ' ' !$$,

N 1.9 D2) ?1:/0=5 9.7%/ /1' (.' 152HO 1.>2' ' @1:9 %7(3 01H2' ' ?:5/ 1H23 /02 2)25 1% /02 /7/25 232.7 '1.' 7/ 275/ 413Q(342 /02?' /07/ (/ (5 @1./0)' 1% ?7/:.2 4135(92.7/(13 @02/02.' /02 /1@3 1% ?5/2.97?' 7/ /02 (35/(;7/(13 1% .7342' (5 31/ H:3;(3;' /02?' (3/1' 7 Q2()' :3/1@7.9 54232' 739 %1.' @0(40 /02)' 7.2 8)' 31' ?2735 H.2H7.29 0

H(35(13 O 0 ' 4' ' 8 ' ' 0 ' ! ' +S' < ,' !$$"' ' ((5 (5' ?15/ H.1J 878)' /02' 2//2.' .2%2..29 /1' 8)' /02 (3;' /01:;0 (/' ?7)' H155(8)' 07Q2 8223 731/02.' 2//2.' @.(//23 8)' 0(?' /1' 1.9 1./0 13 /02 57?2 97)' 13 @0(40 02 @.(/25 /1' 1.9 K 1)?1:/0 7)' +V' .2 7/(Q2 /1' 7 ?1/(13 1% (.' D((7?' 2.29(/0=5 (3 /02 1:52 1% 1?? 135 %1.' H7H2.5 .2 7/(Q2 /1' /02 /7/2 1% /02 7Q)' 22 0 ' 6 4 '+ T 4 ' ' ' 4 ' ' 7 ' L' Q1' (' H' !!,' 9' ! V"

F 2M7392.' D2992(8:.3' 3 /02' !!/0 1% /02 %1 1@(3;' ?13/0 02 @75 7HH1(3/29 /1' 5:42229 0:.1@ 75 //1.32)' 232.7

/' N 02 2//2.5 7 :929 /1' 8)' /02 (3;' 07Q2 H.1878)' .2%2.2342 2(/02.' /1' 1.9 1./0=5 27.325/ 23/.27/(25' 7/ /0(5 /(?2' /1' 82 7 1@29 /1' .25(;3 /02 -.2?(2(50(H' 1.' 2 52 /1' 1.9 7..(3;/13=5 .25(;37/(13 1% /02 H15/ 1% 24.2/7.)' 7/ D7.' @0(40' 13 /02 !#/0 1% /02 %1 1@(3;' ?13/0' @75 413%2..29:H13 07.25 23>(3513' 7%/2.@7.95 7.' 1% (Q2.H11 ' N ' 7:/01.(62)1: =± @.(/25 /02 (3;' /1' 1.9 1./0 13 /02 +S/0 1% 1Q2?82.' N' /1' 1(2.' /02 H 742 1% 22.4/7.)' 7/ D7.' (3 /02 %(.5/ H 722 /1' .' 23>(3J 513' 739' (% 01 922 (325' /1' 1.9 27:407?H O 0 ' 6 4.' + 4 ' ' ' 4 ' ' 7 ' L' Q1' (' HH' !+S' !+V' 9' !"VL

' ' ' D ' - ' ' '
' -' ' ' A

s .1?' /02' H.1?(323/' H7./' @0(40' 1.9' 07/07?' 075' H 7)29' (3' 7' 7.;1' H1./(13' 1%' /0252' H7;25' /02' 7:/01.' (5' (39:429' /1' 7)' 82%1.2' /02' .2792.' /0W' %1 1@(3;' 2//2.5' 1.' .7/02.' 31/25' 799.25529' 8)' /07/' ;.27/' ?73' /1' /02' 24423/.(4' 739' 1342' @2 R>31@3' H0(73/0.1H(5/' Q(./:151' 779' 73/(I:7()X' 01?75' 1 (5' 5I' 1%' 1(-541?82' (3' 1.22/50(.2' 02'1.(;(37 5' 7.2' (3' /02' H155255(13' 1%' 9;7.' (532)' 5I' 1%' /02')92' 552M' 8)' @0152' >(393255' /02' 7:/01.' (5' 2378 29' /1' (3/.19:42' /02?' (3/1' /0(5' @1.>Z

! ' " # @0152' 7.923/7//740?23/' /1' 4(Q(' 739' .2(;(1:5' (82./)' 739' @0152' H.(342)' 2341:.7;2?23/' 1%' (/2.7/:.2' 739' /02' %(32' 7./5' 7.2' 5/(' .2??2?82.29' (3' 1/02.' 41:3/.(25' 825(925' 3; 739' @75R81?' (3' 13913' 13' /02' !S/0' 1%' H.(' !$+*' 3' /02' H7./(7' 73;:7;2' 1%' 7' 413/2?H1.7.)<' N' 2' @75' 7' ?73' %1.?29' 13' /02' 52Q2.2' 739' 2M7 /29' H 73' 1%' 734(23/' .2242' (3' @01?' @75' (?(/29' /02' 0:?732' 739' 9(5(3/2.25/29' Q((-/:2' 1%' .:/:5' @(/0' /02' 74/(Q2' 739' 92/2.?(329' 5H(./' 1%' (932)' 5(:5/.(1:5' (3' 0(5' ?7332.' 1%:5(3;' 73' 7?H2' %1./:32' 31/' 8)' 5H239(3;' (/' (3' /(2' H7.792' 1%' (%2' @0(40' 02' 925H(529' 8:/' 8)' 755(5/(3;' /02' 9252.Q(3;' 739' 2341:.7;(3;' /02' 7./5' 739' 54(23425' @0(40' 02' H.1?1/29' @(/0' ;.27/' 627' 739' 7%%24J /(13' >31@(3;' /02' 1Q2' 1%' /02?' 2795' /1' ?1.7' 739' (3/2 24/:7' 827:/)' X' @75' 7' @7.?' 739' 5/.23:1:5' 79Q147/2' (3' /02' 47:52' 1%' H:8(4' (82./)' 739' Q(./:2' 739' %1.' /02' .(;0/5' 1%0:?73' 37/:.2' 739' H.(Q7/2' 41354(2342' (5' 0:?73(/)' 739' ;232.15(/)' @2.2' 31/' 413%(329' /1' /02' 5?7' 5H1/' 1%0(5' 1@3' 41:3/.)' 2' 51:;0/' %1.' ?2.(/' (3' 2Q2.)' H7./' 1%B/02' ;182' 4135(92.(3;' 0(?52%75' 7' 4(/(623' 1%' /02' @1.9' 8:/' 413427 29' 0(5' 74/5' 1%' ?:3(%(42342' 82(3;' 413/23/29' @(/0' /02' 41354(1:53255' 1%07Q(3;' 9132' @2 OF' 1.742' D7H1 2' 7 51<(3' 5:?;(3;' :H' /02' 37?25' 1%' /02' %2@' H2.5135' 1%' 31/2' (3' 3; 739' (3' !$#,' @01' 079' 7Q1@29)' 2?8.7429' .2H:8(473' H.(34(H 25<' 5H27>5' (3' Q2.)' %7Q1:.78 2' /2.?5' 1%' 1 (5' 75<N' 7' ;23/2?73' 1%' 5/.(4/' 0131:.' 739' ;119' %1./:32' 7' Q(./:151' 739' 51' 8(;1/29' /1' 0(5' H.(34(H 25' /07/' /01:;0' 7' 0:?732' 739' ;119' ?73' 02' @1:9' 547.42' 413Q2.52' @(/0' 73)' ?73' @01' 9(9' 31/' 23/(.2)' 7;.22' @(/0' 0(5' a1H(3(135' 2' 079' 31' H7./5' 8:/' 5H23/' 7.;2' 5:?5' (3' H:8(50(3;' H.(3/5' 739' 29(/(135' 1%' 7' /02' 02.125' 739' @1.>5' 13' 0(5' 1@3' 5(92' 1%' /02' I:25/(13' :/' 02' @75' %1.?29' /1' 791.3' 7' H:.2' .2H:8(4' 31/' /1' 50(32' (3' 7' 92H.7Q29' ?137.40) OT

F' 33:7' 2;(5/2.' %1.' !$$S' HH' "L<S'
/' D7H1 2-5' 2?1(.5' 1%' /02' 2(;3' 1%' 21.;2' L' Q1' (((' H' LL!

?13;' 1/02.' @1.>5' H.(3/29' 7/' 7' ;.27/' 2MH2352' 8)' 1 (5' @2.2' /02' H1 (/(47' @.(/(3;5' 1%' (/13' ;2.313' (932)' 739' 7?25' 7..(3;/13' 441.9(3;' /1' 0(5' 8(1;.7H02.' /02' 5/1.)' 1%' 0(5' (%2' @75' 7' ?2.2' 47/7 1;:2' 1%' ;232.1:5' 739' H:8 (4R5H(.(/29' 74/(135' /02.2' 82(3;' %2@' :52%:' 1.' 8232R 1 23/' (35/(/:/(135' 1%' @0(40' 02=@75' 31/' 7' ?2?82.' 739' 7' 8232%74/1.' 02' .(/(50' :52:?' @75' (3928/29' /1' 0(?' %1.' ?73)' Q7:78 2' ;(%/5' 02' (8.7.)' 7/' 2?2' @75' 23.(4029' 8)' 0(?' @(/0' 7' Q7:78 2' 41 24/(13' 1%' 3;(50' 811>5' @0(40' 02' H.2523/29' 7313)?1:5)' 1' 7.Q7.9' 1 2;2'(3'/02' 3(/29' /7/25'02'@75' 31/' 13)' 7' ?:3(%(423/' 8232%74/1.' (3' 0(5' (%2/(?2=8:/' 8)' @(' 82I:27/029' V**(' /1' /02' 1 2;2' (8.7()' /1' 82' 7(9' 1:/(3' 811>5 F

02' 0(;0' 1H(3(13' 23/2./7(329' 8)' 1 (5' 1%' /02' 5H 239(9' /7 23/5' 1%' 1.9' 07/07?' 75' @2' 75' ;.7/(/:92' %1.' 0(5' 2M2./(135' (3' /02' 47:52' 1%' 4(Q(' 739' .2(;(1:5' (82./)' @2.2' H.1878)' /02' 1.(;(37' 14475(135' 1%' 0(5' ?7>(3;' /02' 74I:7(3/7342' 1%' /02' N;.27/' 1??132.0' 0(5' 0(;0' 1H(3(13' 01@2Q2.' 8247?2' /@(42' /2?H1.7.()' 7%%24/29' 1342' (3' !$#!' 8)' .'-(//' 7442H/(3;' 7' H235(13' %1.' 0(?52%' 739' 7' H22.7;2' (8.' 79)' 07/07?X' 739' 7;7(3' (3' !$##' @023'/02' ?73' 1%' /02' H21H2' 9252./29' /02' 1:52' 1%' 1??135' %1.' 7' 41.132/%' 3' /0(5' 7//2.' 14475(13' /02' (39(;37/(13' 1%' 1 (5' 7/' @07/' 02' .2;7.929' 75' /02' 7H15/74)' 1%' 0(5' (91' 7HH27.5' 31/' 13)' /1' 07Q2' 8223' 2M4255(Q2' 8:/' /1' 07Q2' 8223' /02' 47:52' 1%' /02' 9(5413/(3:7342' 1%' /02(.' 41..25H1392342' %.1?' /07/' /(?2' /(' /02' ?13/0' 1%' 4/182.' !$$+' 1.'(35/7342' /1' 9?:39' A:(34)' G:3(1.' 7/' 15/13' 1 (5' Q?/25' 13' /02' !5/' 4/.' !$##' /07/' (/' (5' @(/0' /02' N922H25/' 41342.3' 0' /07/' 02' 075' 5223' /02' N.2423/' :3H7.7 2 29' H.15/(/:/(13' 739' 7H15/74)' 1%' /02' 1342' ?7;373(?1:5' 739' 7 ?15/' 9(Q(32' F' F FFF' @01' (5' 31@' /1/7)' 15/' (3' H7.40?23/' 739' :/2(5?X0' 739' 02' 7995<N 02' 0732' s :/2Z' 2M:/5' H.19(;(1:5)' 13' /02' 14475(13X' 739' 02' 739' 7' 0(5' [(13;.2 5' 7.2' (3' .27(/)' (3' %:' 5423/' 739' 4.)' /1' .:3' 0(?' 91@3' @(/0' 51?2' H.2523/' 502@5' 1%' 92%2.2342' 739' H1@2.' /1@7.95' 0(?' 25/' 02' 501:9' .2/.27/' 7;7(3' 82%1.2' 02' 079' 9132' 9(./)' @1.>' 231:;0' (3' H:8 (4' /1' .2392.' 0(5' 407.74/2.' (3' 7' .25H24/5' :/2.)' (3=2/.(2Q78 2' 307HH)' ?731' /1' 07Q2' 5:.Q(Q29' 0(5' 1@3' ?7/40 255' 79?(3(5/.7/(13' 739' 0(5' 5H2240' %1.' /02' .2H27' 1%' /02' 5/7?H' 74/0' 3' 731/02.' 14475(13' s#/0' 28.:7()' !$#$Z' 1 (5' 5H27>5' 1%' 1.9' 07/07?' 75' ^Pa (2:/2373/' :.31Q2.' 74/(3;' 75' 41??7392.' (3' 40(2%' 7/' /0(5' H.2523/' 8)' H2.?(55(13' 1%' D0(/2R.152' /02' %7Q1:.(/2' s :/2Z' @01' @1:9' 82' /01:;0/' .2/(.29 0'

02' %1 1@(3;' %2@' 8.(2%' H7./(4:7.5' .2 7/(3;' /1' 1 (5' 07Q2' 8223

F' 1 ?25-5' ?2.(473' 3375' Q1' ((' H' +##'
]' 22' ' Q1' (' HH' "S' L$+
(' .40927413' 74>8:.32-5' 2?1(.5 1%' 1 (5' HH' L+L' LS*' LW

>(39)' 41? ? : 3(47/29 /1' /02 7 : /01.'%.1?' 7 H.(Q7/2 739 ? 15/ / ? 5/@1./0)' 51 : .42

N ' 7?' 51..)' /1' 57)' ' 47331/ .2?2?82.' 73)' 732491/25 1% .' 1 (5 @1./0)1 : .' 07Q(3 ; ' : 40 /.(% 25' 01@2Q2.' 75 ' 473 47 ' /1' ?(39 ' @(' @.(/2 91@3

N (9)1 :' 2Q2.' 027.' /07/' @023 0(5 19 ; (3 ; 5 (3 13913 @2.2 13 %(.2' /02 13)' /0(3 ;' /07/ 02 /01 : ; 0/ 1% 57Q(3 ;' @75 / (2 H1./.7(/ 1% 103 (/13 ' 31@ 7/ /02)92¢ 0(5 02 9(9 %7.' ?1.2 1 : / 1% 79?0R7/(13 1% 0(5 H1 (/(47 ' 1H(3(135 ' /073 13 7441 : 3/ 1% /02 ; .7392 : .' 1% 0(5 ; 23(: 5 75 7 H12/

N 2 791H/29 . : / : 5=5 97 ; ; 2.' 739 /02 7H 1% (82./)' 75 5) ? 81 5 1% 0(5 2H : 8 (473 1H(3(135 ' 75 .2H.2523/29 13 /02 H2925/7 ' 1% /02 ?7.8 2 8 : 5/ 1% .(?' 7/ /02)92

N 3 7 5/.73 ; 2 @0(? ' 02 37?29 51?2 1% 0(5 %(2 95 7%/2.' .24(73 739 1?73 H7/.(1/5 739 02.125 ' 5 : 40 75 . : / : 5 739 4(8(7925 X 739 2Q23R 7%/2.' 785/.74/ /0(3 ; 5 ' 5 : 40 75 27513 739 (82./)

N (5 4 ' @75 0(5 8 : .(7 ' 8)' /1.40 (; 0/ < 75 51?2 57(9 ' (3 .2H : 8 (473 0..?((/) < (3 132 1% 0(5 %(2 95 ' /02.5/01 : ; 0/ /0(5 24423/.(4(/)' 57Q1?=29 ?1.2 1% Q73(() ' 8 : / ' 199 75 01 @75 ' ' ' 82 (2Q2 02 @75 5(342.2 0 F

. ' 1 (5=5 927/0 /11>' H 742 7/ 0(5 527/ (3 1.52/50(.2 ' 13 /02 !5/ 1% 73 : 7.)' !$$S ' 52Q23/223 97)5 7%/2.' /02 97/2 1#% /02 75/ 31/2 799.2552 9 /1' 0(?' 8)' 1.9 07/07?' 2 @75 /7 >(3 ;' /1' .(5 @1.>?23 (3 132 1% 0(5 %(2 95 7/ 1.541?82' @023 02 %2 ' 91@3 (3 7 %(/ 739 2MH(.29 R R

□ = ' !$#!

N . ' -(//' H.2523/5 0(5 41?H (?23/5 739 5(342.2 74>31@ 29 ; ?23/5 /1' . ' 1 (5 X (5 G : 5/)' H.1 : 9 1% 5 : 40 7 /25/(?13) ' 739 /. : 5/5 /07/ /02 ?7(.)' 739K /02 Q(./ : 1 : 5 @(' 31/ 41392?3 .2/.27/' @023 /02 ?2735 1% 74/(3 ;' /1' ;119 739 @1./0)' H : .H1525 7.2 7/ 73 239 0 \

F 22 7 51 /02 23/2?73=5 7 ; 76(32 %1.' !$, *' H7./ +' H' $*+' /' .40927413 74>8 : ?2=5 2?1(.5 1% 01?75 1 (5' H' S#V ' 08 31/2 (5 (3 .2H)' /1 7 41?H (?23/7.)' 132 %.1?' 1 (5 97/29 /02 $/0 4/182.' !$#!' /@1 97)5 7%/2.' .' -(//=5 .25(; 37/(13 1% 1%%(42' 22 ' Q1 ' (' H' "L' N / /02 /(?2 1% @.(/(3 ;' /0(5 2//2. 0 @.(/25 1 (5 ! " #' N ' @75 (; 31.73/ 1% /02 H235(13 1% `L***' 7R)27.' ;(R73/29 /1' .' -(//' n4' / (5 /. : 2' ' @(50 /0(5 H235(13 079 31/ 8223 7442H/29 X 8 : /)2/ (/ 473 32Q2.' 82 4135(92.29 75 73 21 : (Q7 23/ %1.' 0(5 52.Q(425 X 1.' 75 /7>23 8)' 0(?' %.1?73)' 1/02.' ?1/(Q2 /073 75 / 4 % ' 132) 0 22 7 51' $ = % & ' ( ) * ' H' !++' @02.2' (3 327.)' /02 57?2 73 ; : 7 ; 2' /02 7//2.' 2M4 : 525 .' -(//=5 4139 : 4/ (3 7 2//2.' /1' 7 %.(239 ' '

K / (7 ' / U (+ , ' !$#+

N .' - (//' H.2523/5 ((5 41 ? H (? 23/5 /1 .' 1 (5' .2/ : .35 0(?' ? 73)' ? 15/' 5(342.2 /073>5 %1.' /02 %7Q1 : .' 1% 0(5 18 (;(3;' 31/2' 739 /. : 5/5 02 @(' 82 H2.5 : 7929 /07/' .' - (//' %22 5 (3%(3(/2)' ? 1.2 57/(5%74/(13 739 H.(92 %.1 ?' /02 Q2.)' %.(239)' 739 >(39 1H(3(13 1% .' 1 (5' /073 %.1 ?' 7 ' /02 2MH.255(135 1% (5 1) 3255 0F

K > (% & = '% = "

K 442H/' 927.' (.' ?)' 825/' 74>31@ 29 ; ? 23/5 %1.')1 : .' 18 (;(3;' /.1 : 8 2 (3' %1.@7.9(3;' /02' H7.42' %.1 ?' 0(?' @01 (5' 31@' 31' ? 1.2 % 1@' 7%%24/(3;' /02' 4(.4 : ? 5/7342 ↑ 739 01@' 23927.29 /0(5 ? 13 : ? 23/' 1% 0(5 25/22 ? ↑ x 9 j' $ 4') , 4 j' 4 ' 1 : .' %(R(239)' 027./' ? : 5/' ' >31@' H7./7>2 /02' %(=(239)' 9 : /) ' ' 7 ?' @(/0 /02 @7. ? 25/' 523/(J ? 23/5 1% 25/22 ?' 739 4135(92.7/(13

K 27.' (.

Ú N 1 : .' %7(/0%/9 .(239

N 39 ? 15/' 0 : ? 8 2 2.Q73/

' ' (# #) '

F 0(5 (5 73 7 :5(13 /1' 7 2//2.' 799.2552 9 /1' 1 (5 8)' 7 .' 01 ? 75 23>(35' 97/29 1.32' H.(' !$' !$#+' /02 413/23/5 1% U@0(40 079 2Q(923/)' 8223 41 ? R 3(:3(47/29 /1' 1.9 07/07 ? <N -21H 2 02.2 E@2.2 75/13(5029 /1' 027.' 1% 1 : .' ; .27/' 5 : 44255 7/' 7./(3(41' @0(40 079 8223 .2H.2523/29 8)' /02 .2340 739 /02(.' %.(2395 15 (?H155(8 2' 02 -1H2 /1 9 73 3; (50 ;23/ 2 ? 73' .' D2 9 1% 1.52/50(.1% @01' @75 (3/.19 : 429 /1' 0(?' 13 :2597)' 75/' /07/' /02 /7>(3;' 1% 7./(3(41' @75 51' :3J 2MH24/29 73 2Q23/' /07/' (% 31/' 51' @2 ' 7//25/29' (/' 41 : 9 31/' 07Q2 8223 82 (2Q29X 739 /07/' /02 ; 1.)' 1% /02 3; (50 37/(13 @75 31@ 7/' 5 : 40 7 02(;0/' /07/' 02' /02 -1H1' 0(?52 %' 501 : 9 07Q2 25/22 ? 29 (/' 73 0131 : .' /1' 82 73 3; (50 ? 73' 02 H 73 %1.' /7>(3;' 7./(3(41' @75' (% ' ?(5/7>2 31/' .' - (//=5 0 * " ' 22 ' Q1 ' (' H' ! ! , ' 31/2

/' 1 : 3/' .7342541' ;7.1//(' 407 ? 82. 7(3 /1' /02 (3;' 1% -3(55(7' ' 739 ' 2 929(47/29 /1' .' - (//' 0(5 @1.>' /02 N 7 ; (1' 51H.7 = H2.7 (3 :5(47 0 739 /1' .' 1 (5 0(5 N 7 ; ;(1' 51H.7 = 4792 ? (7 9(.734(7 402 ' (3 1 ? 7 0 02 7//2.' 079 41342(Q29 7 ; .27/' 7%%24/(13 %1.' 0(?' 739 @75 7 @7. ?' 79 ?(.2.' 1% 0(5 7441 ? J H(50 ? 23/5 739R0(./ : 25' _02 1 : 3/' 9(29 7/' -(57' +S/0 :32 !$#L' $ % &- ' (* . . ' ! , ' +*!' 0(5 31/2 (5 (3 .2H)' /1' 7 501./' 132 %.1 ? 1 (5' 97/29 !S/0 1Q2 ? 82.' !$#S' /02 41H)' 1% @0(40 (5 (391.529 8)' 0(? < N 3 5239(3;' 0(?' 7 H7.42' @0(40 @75 %1.@7.929 %.1 ?' 2;01.3R' H.(' !#' 8)' 1 : 3/' ;7.1//(' 413/7(3(3;' /02 %(.5/ /@1' Q1 : ? 25 1% 7 31@ 29(/(13 1% 0(5 @1.>' H.(3/29 /02.2 /0(5)27.' @0(40 H7.42' 47 ? 2 31/' /1' ?)' 07395 : 3/(' /0(5 97) 0

)

1 ' / & , ' ? ,# + ! 5(' s ! $ ## Z F

N . ' -(%4%4 52395 7 ' / (73>5 739 .25H24/5 /1' . ' 1 (5 ' 5/.23 ; /02329 8)' 0(5 4134 : . . 2342 ' 73(? 7/29 8)' 0(5 7HH . 187/(13

N 2 /. : 5/5 /07/ 0(5 5135 @(' "' : H/ 1' %22 ' /07/ /02 8279 1% - 01R 4(13 % 523/ /1' ? =/13R -) 3523/ %.1 ?' /02 027./ 1% 7 1 (5 ' ? (' 2Q2.' 5/739 /02 H.1 : 925/ 1.37 ? 23/ 1% 1 : . ' 1 : 52 ' 02 9(552./7/(13 (5 (39229 ? 75/2.) 0

1' 9] & 4 %F ' 0 ' 5(' ! $$+

N 27.' (.

N 1 : .' Q2()' >(39 7//23/(135 825/1@ 2I : 7 ' H 275 : .2 739 0131 : .' 13 132 ' @01' @(' 82 /11' 07HH)' /1' .2Q(5(/ ' (? 94.' /02 57 ? 2 H1 (/2 739 8232Q1 23/ 7 : 5H(425 ' 827 : /(25 @0(40 07Q2 2%/ (Q2)' (? H.255(135 ' ' : 392.5/739 /02 7)1.=5 97)' 7/) ? 2 (5 /1' %7 ' (3 /02 41 : .52 1% 32M/ @22>' 739 ' ? 1.21Q2.' 51 ? 2 23 ; 7 ; 2 ? 23/5 91 31/ 27Q2 ? 2 ? 75/2.' 1% ?)' /(? 2 82%1.2 1397)')2 !+/0 4/182.' %' /07/ 97)' 501 : 9 5 : (/ .' 1 (5=5 413Q23(2342 ' ' @(' ; (Q2 ?) 52 % /02 57/(5%74/(13 1% ? 22/(3 ;' 0(?' 7/ M ? (35/2.' /07/ 2Q23(3 ; ' 739 01H2 /1' 07Q2 /02 H 275 : .2 1% /. 7Q2 (3 ;' @(/0 0(?' /02 32 M/ ? 1.3(3 ;' %(=1 ?' 5 ,' /1' 5 , ' 7441.9(3 ;' /1' /02 H 275(3 ;' .1 : /2 02 075 8223 51 ; 119 /1' H1(3/ 1 : /' ' 7 ?' ? : 40 (3928/29 /1' .' : 4>2.' 739 .' 1 : 92 %1.' /02 18 (; (3 ;' 1%%2.' 1% 19 ; (3 ;' ? 2 X 8 : / @2 %1 : 39 ' : H13 2M7 ? (3(3 ; ' /02 407 ? 82.5 1% /02 (33 5 : 40 75 ' %1.' 132 3(; 0/ ' 31/ /1' @(50 73)' 1/02.' 79)' 07/07 ?' 925(.25 /1' H.2523/ 02.' 825/ 41 ? H (? 23/5 ' 739 /02)1 : 3 ;' H21H 2 ' @01' %22 ' 0131 : .29 8)' 5 : 40 ? 23/(13 1% /02 ? ' 82 ;' /1' 1%%2.' /02(.5

N ' 7 ?' @(/0 / . : 25/ 25/22 ?' 739 H2.%24/ 4135(92.7/(13

N 27.' (.

N 1 : .' ? 15/ 1829(23/ 739 ? 15/ 0 : ? 8 2 2.Q73/

' $!

1' 9] A & □ ¯/ ' !$$+

N 27.' (.

N 8 : 397342 1% .27 ' /073>5 %1.' /02 H1 (/2 7//23/(13 1%) 1 : .' >(39

F 0(5 31/2 @75 @.(//23 7/ 7 H2.(19 1% 4135(92.78 2 2M4(/2 ? 23/' 22 7 31/2 %.1 ?' .' -(/ / 1' 79)' 07/07 ? 1% /02 57 ? 2 97/2' 0 ¯0 . ' Q1 ' ((' H' L$L

Ú]' N 3 73/(I : 2 075 .2 (2Q1' (3 1.(23/7 ' 7 7875/2.' H : .407529 %1.' 0(?' s 1 (52 51 ? 2)27.5 82%1.2 %1.' /@23/)' ; : (3275 8)' .' 74>513 1 : / 1% /02 -7 7661' 7342 1//(7/ 1?2 Ó < 4 ' ' I ' ,' &)) ' 6)*5 4 ' # - e

*' *'

2//2.' @0(40' 755:.25' ?2' 1%' /02' H275:.2' 1%' ?22/(3;')1:' 13' 1397)' 2Q23(3;' 7/' M?(35/2.' %' @27/02.' H.1Q25' %7Q1:.78 2' 31/0(3;' @(' 82' D73/(3;' /1' .2392.' /02' G7:3/' 92(;0/%:' 02' ;.27/' 75/2.' 1%' /02' H(4/:.2' @ ' '/.:5/' 825/1@' /02' %(325/' (;0/5' /1' Q(2@' (/' (3' D(7/)1:' /2 ' ?2' 1%' /02' H7./(7' 9(5H15(/(13' 1%' /02' @1./0)' H21H 2' 1%')?2' (5' G:5/)' Q7:29' 739' %2 /' X 8:/' 2/' ?2' 799' @07/' ' 91' 31/' 025(/7/2' /1' 413%255' /07/' /02' 523/(?23/5' @(/0' @0(40')1:' 0131:.' ?2' 739' /02' Q7:2')1:' 7//.(8:/2' /1' ?)' H75/' 2%%1./5' 27Q2' 07.9)' .11?' (3' ?)' 027./' %1.' 1/02.' 52357/(135

N' 79)' 07/07?' 925(.25' /1' H.2523/' 02.' 825/' 41?H(?23/5' 739' ?73)' /073>5'%1.' /02' %7Q1:.' 1%' /02' 07.2

N' '7?' @(/0' /02' 0(;025/' 25/22?

N' 27.' (.

N' 1:.' ?15/' %7(/0%:' 739' ?15/' 0:?8 2' 2(@73/

$!

Q3

N' /3/ R-Q ' □ =+'+!' !$$+

N' .' 1 (5' (5' 925(.29' /1' 7442H/' ?73)' 5(342.2' 74>31@ 29;?23/5' %1.' 0(5'>(39' 7//23/(13' (3' 5239(3;' .' 1@.(3;' 7' ?73' 1%' 2M42 23/' :392.J 5/739(3;' (3' 0(5' @7)X' 7' (Q(3;' :52:?' :5/(4:?X' ?1.2' 25H24(7)' 7' /.:2' 513' 1%' -73' 739' 4135:??7/2' (3' 5022H

N' 79)' 07/07?' 925(.25' /1' H.2523/' 02.' 825/' 41?H(?23/5' :.')1:3;' H21H 2' 7.2 ' 739' 4 ' @(/0' /02' /01:;0/' 1%' 2M0(8(/(3;' /1' .' 1 (5' /02(.' H:2.(2' H1@2.5' 1%' /02' 4232 F' 1 9' (5' /02' 7//2?H/X' (/' -7H7' 739' 7?7' @01' 31/' :392(;0/29' .14>' /0(5) ' ' ,' 2M01./' /02?' /1' 9(5?(55' /02(.' %27.5' .' 1 (5' @(' 7 1@' /02?' /1' 5239' /(?2)' 31/(42' 1%' /02' H2.%1.?7342' 739' 02' @(' 8)' 0(5' H.252342X' ;(Q2' ?:40' .27' H275:.2' 739' 0131:.' /1' 1 9' 739')1:3;' 7/' :./13R-)3523/ 0%

Q((.

1' *4 9]A &" ' +=□ ' L!5 's!$$+Z

N' 73)' 41?H(?23/5' %.1?' 1.9' 739' 79)' 07/07?' 7//239' .' 1 (5' 02)' @(50' 2M/.2?2)' %1.' /02' H275:.2' 1%' .242(Q(3;' 0(?X' 739' 1:.' 79Q23J /:.1:5)1:/0' 75H(.2' /1' 07Q2' /02' 0131:.' 1%' 502@(3;' 0(?' 51?2@07/' 1%' /02' (35(92' 1%' /02(.' (// 2' /027/.2' D2932597)' 32M/' (5' %(M29' %1.' 9(5H 7)(3;' (/

F' 22' 07/07?' 1..25H1392342' .1 ' (Q' H' +S*

EF 391.529' 8)' 1 (5<N 2(Q2.29' /1' 7.?2.' 103' 1@.(3;' @01' 079' 8223' 7/' :./13' 8)' 925(.2' 1%' 1.9' 07/07?' /1' Q(2@' 0(5' 1.950(H5' 25/7/2' /02.2' (3' 1.92.' /1' /02' 82//2.' ?737;2?23/' 1%(/0

739 (% . 1 (5 D(82 51 ;119 /1 7442H/ 13 /07/ 97) 7 9(332. 7/ /@1 1=4 14> Y 7 @2 R7(.29 829 7/ 3(;0/ 739 7 ?15/ 41.9(7 @2 41?2 02 @(825/1@ 7 0(;0 57/(5%74/(13 13 0(5 0: ?8 2 52.Q73/5 1 9 739)1:3;0

&

1 9]A &1.2 +# !$$+

N 1.9 739 79) 07/07?=5 825/ 41?H(?23/5 7//239 . 1 (5 /1;2/02. @(/0 781:39(3;/073>5 %1./02 0131./1%0(5>(39 31/2 02 7P2 7HH.187/(13 02 (5 51 ;119 /1 2MH.255 1%/02 31Q(4(7/2 1%/02 5?7 /.7;29(735 41: 9 31/ 8:/ /1:40 5235(8) 739 H1@2.%:)73(?7/2 /02 Q7.(1:5 H7./(25 41342.329 (3 7 H(4/:.2 9(=7@3 (3 /08 5H(./ 1% /0235 1. -1?2 739 @0(40 @1: 9 07Q2 8223 % 7//2.(3;@0232Q2. 7HH (29 (3 2(/02. 9 739)1:3;7 82; /1 1%%2./02(.:3(/29 ;.7/2%: 74>31@J 29;?23/5 %1. 523/(?23/5 51 H7./(7

N 79) 07/07?4 7(?5 @(/0 H 275?=2 02. .(;0/ /1 799 02. 5H24(7 H1./(13 1%/073>5 %1./02 %7Q1. 1%/02 875>2/ 1%;7?2

N 1.9 07/07?@(H2.:52 @(/0 7Q(9(/) /02 H:8(47/(135 1% /02 01325/ 2@R 3;7392.5 X ;23:(32 %.:(/5 1% :351HO(5/(47/29 ?754:(32 ;119 52352 739 1% Q:B/:2 :341..:H/29 0F

&

0 ,7 4 < # I #

1 9]A &3 (y/ !$$+ H75/ /0.22 1=4 14>

N 1325/ %7.?2. 1@.(3;@(50(3; /1 .2/:.3 75 5113 75 ?7) 82 79) 07/07?925(.25 /1 1%%2. /0252 075/)739 Q2.) 5(342.2 74 431@R 44(P23/5 /1 . 1 (5 %1./02 0131. 1% 0(5 ?15/ 18 (;(3;7//23/(13 2 @(31/ @1392. (% 02 501:9 31/ 82 %1.;1/ 7/ /02 413Q(Q(7 17.9

F 0(5 31/2 (5 7 .2H)/1 73 79:7/1.) 2//2. %.1? 1 (5 /1 1.9 (7/07(3 1% E@0(40 /02 %1 1@(3;(5 7 407.74/2.(5/(4 2M/.74/ <N 01?75 1 (5 075 /02 0131./1 H.2523/ 0(5 825/ 41?H(?23/5 739 /073>5 /1 1.9 739 79) 07/07?%1./02(. >(39 .242H/(13 1% 0(?7/ :./13R-)3523/ 739 %1./02 Q2.) 5(3;:7. 739 /.:) 2 2;73/ 23/2./7(3?23/ 1%@0(40 /02) @2.2 H 27529 /1 ?7>2 0(?H7./7>2.X 73 23/2./7(3?23/ /07/ 01 32Q2. /0(3>5R 1% 8:/@(/0 7HH 7:525 739 @1392. - :/7.40 0(?52%/07/ .2%(329 ;119 ?73 079 02 5223 (/ ?:5/ 07Q2 8223 92 (;0/29 739 ;(Q23 2I:7 .73> 7/ 1342 /1 /02 7?() 1% 07/07? @(/0 /02 .7440(2 .2I:25/5 /02 %7Q1. 1% 79) 07/07?/1 7442H/ 7 875>2/ 1% ;7?2 7 07.2 7 H027573/ 739 /@1 8.742 1% @119414>5 < +# < 4 P C #2 739 02 82;5 0(5 ?15/ H7./(4:7. .25H24/5 @239 74>31@29;?23/5 /1 1.9 -(// 79) 25/2. 79) 73(1/ 739 /02 /@1)1:3;2. ;23/2?23 /(5 07.9 /1 57) (3 @07/ @7) /0(5 75/13(50(3;)1(?; 52/ @1:9 502@ /02?52 Q25 (3 41?29) 501:9 /02) /7>2 /1 (/ ¢O

/1' @0(40' @2' 7.2' G : 5/' 5(//(3 ;' 91@3' 739' /07/' /02' 0 ' 'D 'C '3' 0(5' >(39' H.2523/' 1%' /02' 97) Y' 501 : 9' 82' 925/(329' /1' %1@' (3' ; . 7/2% : ' (87/(135' /1' 0(5' /. :)' 0131 : .29' 37 ? 2

N' 1.9' 07/07 ? ' @01' 075' 7' %(/' 1%' /02' ;1 : /' /01 : ;0' 31/' 1%' /02' ? 15/ 52.2.2' 925(.25' /1' G1(3' (3' 7 ' 523/(? 23/5' 1%' .25H24/% : ' 25/22 ? ' 739' @7. ?' ;119' @(5025' 02')1 : 3 ;' H21H 2' 82 ;' /1' 1%%2.' /02(.' 825/' 41 ? H (? 23/5 0

& ' E

N : R-) ' % ¯+ ¯45 ' !$$+

N' 1.9' 739' 79)' 07/07 ?' 925(.2' /1' 23I : (.2' 7%/2.' . ' 1 (5-5' 027 /0' 739' /1' 1%%2.' 0(?' 7 ' /02' 1 9R%750(1329' >(39' .2 ? 2 ? 8.73425' 1%' /02' 527513' X @0(40' /02)' /. : 5/' 02' @(' 7442H/' 31/' 75' 41 ? H (? 23/5' 8 : /' .27' ;119' @(5025

N 1.9' 07/07 ?' 79 ? (.25' 739' 1Q25' . ' : 4>2.-5' 52. ? 13' 82%1.2' /02' .25H24/78 2' 819)' 1%' /02' 755740 : 52//5X /02' 9(Q(32')932)' .2392.29' H.74J /(47 ' 739' /02' H0(151H0(4' 14>2' ? 1.2' 92 ? 135/.7/(Q2' D 07/' 7' ? 192' %1.' /02' L*/0' 1%' 73 : 7() %' 9(9' 31/' Q(5(135' 1%' ? (/.25' 7 : 9' /.735 7/(135' 0(92' /0252' /0(3 ;5' %.1 ?' /02' 2)25' 1%' 1 : ./' 7H15/ 25'

N' 1 : /' 075' ? 792' 7' Q(5(/' 739' 522 ? 5' >(39)' /7>(3 ;' 27Q2 0

&

1' 9] &? ,# @ ' !$$L

N' 442H/' ?)' 927.' (. ' Q2.)' ? 73)' 5(342.2' /073>5' %1.' /02' /.1 : 8 2')13' 7.2' 51' ;119' /1' /7>2' 781 : /' ?)' %7. ? (3 ;' 47.25' 739' %1.' /02' >(39' ? 7332.' (3' @0(40')1 :' 2 ? Z 1)')1 : .' H23' : H13' 7' ' 4 4 ')(3 ;' 7/' H.2523/' (3' (// 2' 255' 9(51.92.' /073' /07/' (3' 0(;02.' H 7425' ' /75/2' ? : 40' /02' Q2.)' %.(239)' 739' 51 (9' 79Q(42')1 :' 51' 18 (;(3 ;)' 5 : ; ;25/' /1' 2/' 7' ' 1.' /02' " ' 1%' ?)' 739' 02.2X 739' 507 ' 42./7(3)' s791H/Z' /0(5' H. : 923/' (927' 75' 5113' 75' 51 ? 2' H 735' 1%' 7 ? : 52 ? 23/' ? 1.2' /073' H.1%(/' 7.2' 51 ? 2@07/' %7./02.' 79Q73429' 32' H.(34(H7' 18G24/' (3' /02' 4 755' 1%' 7 ? : 52 ? 23/' ' @73/' %(.5/' /1' 41 ? H 2/2' 739' /0(5' (5' 73' 275)' 739' 7 ; .2278 2' 41 ? ? : 3(47/(13' .1 : 39' /02' @01 2' %7. ?' %1.' ?)' .(9(3 ;' 739' %1.' /02' (// 2

F' ' N I : 7./2.' 87..2' 0' 1%' ?279' @0(40' 079' 8223' 523/' 8)' 1 (5' /1' : ./13R-)3523/' @(/0' /02' %1 1@(3 ;' 31/2 < N' 01 ? 75' 1 (5' 075' /02' 0131.' /1' H.2523/' 0(5' 41 ? H (? 23/5 .25H24/% :)' /1' 79)' 07/07 ?' 739' /1' .2I : 25/' 02.' 79)50(H=5' 18 (;(3 ;' 7442H/7342' 1%' 7 5 ? 7 ' 873R2' 1%' ?279' @0(40' 075' 8223' 8.2@29' /0252' /0(./)')27.5' 0 /' 02' 733(Q2.57.)' 1%' /02' 2M24 : /(13' 1%' 07. 25' /02' (.5/

407(52‘ 75‘ 79)‘ 07/07?‘ (5‘ 75‘@2 ‘ 75‘ ?)‘ 97((;0/2(=‘ Q2.)‘ %139‘ 1%/ ((5‘ 41? ?19(1:5‘ 739‘027 /0%:‘ @7)‘ 1%‘/7>(3;‘ 7(.‘ 739‘2M2.4(52

N‘ D0232Q2.‘ ‘507 ‘47..)‘(3/1‘ 2M24:/(13‘/02‘ 2//(3;‘H7./ 1%/02‘25/7/2‘ 1.2/1@3‘ ‘47331/‘@(50‘7‘ ?1.2‘925:70 2‘/2373/‘/073‘ 103‘-1//)X 1%@0152‘5>(‘(3‘%7.?(3;‘739‘1%@0152‘(3/2;(=/)‘ ‘91‘31/‘/0(3>‘/02‘@1.52‘ 13‘7441(?/1%0(5‘ :41(4‘1./01;(=7H0)F (5‘0739R@((/(3;‘(5‘Q2.)‘;119‘X 0(5‘)1:/0‘(5‘41?H2357/29‘8)‘/02‘518.(2/)‘1%0(5‘9(5H15(/(13‘739‘8)‘;119‘ /.7(3(3;‘ :392.‘/02‘2)2‘1%7‘%7/02.‘7‘5:85/73/(7‘ 01325/‘>31@(3;‘ %7.?2.‘ ‘501:9‘82‘;79‘/1‘522‘ 103‘-2//)‘/1;2/02.‘@(/0‘;119‘ 75/2.‘ 1@(=(3;‘@0152‘027(B/(3255‘739‘;119‘%7.?(3;‘52352‘407(?‘?2Y‘ @0232Q2.‘(/‘?7)‘825/‘5:(/‘/02(.‘413Q23(2342‘739‘H.1H152‘/1‘52//2‘@(/0‘ 103‘-2//)‘/1‘41?2‘75‘ 7( )‘/1‘74/‘:392.‘?)‘%.(239‘ 1?B(3;=5‘79Q(42‘)‘H.2523/‘ 7( )‘(5‘/1‘;1%.1?‘?2‘7/‘ 79)‘ 7)

N‘ ‘31@‘YG:58‘?)‘927.‘ (.‘/1‘475/‘?)‘2)2‘874>‘1Q2.‘/0(5‘ 23;/0‘1% 5?7‘8:5(325525‘@(/0‘@0(40‘)1:.‘;1193255‘7 1@5‘?2‘/1‘/.1:82‘)1:‘X 739‘/07/‘/11‘82%1.2‘132‘1%/02‘?15/‘(3/2.25/(3;‘7./(4 25‘1%)1:.‘>(39‘ 2//2.‘)1:.‘1@3‘027/0‘ ‘/.:5/‘7‘ /02‘@1?/‘1%7‘41 9‘51‘Q(1 23/‘(5‘ 1Q2.‘X 739‘ ‘501:9‘82‘%.229‘%(B1?‘73M(2/)‘13‘/02‘5:8G24/‘8)‘@07/‘)1:‘ 57)‘1%)1:.‘413Q7 2542342‘(%‘ ‘9(9‘31/‘>31@‘/07/‘/02‘47.2‘1%)1:.52%(5‘ /02‘275/‘(>2)‘/1‘2?H 1)‘)1:.‘/01:;0/5‘ ‘01H2‘01@2Q2.‘)1:‘@(‘82‘ ?1.2‘47.2%:‘1%7‘/0(3;‘@0(40‘%..1?‘/02‘;232.1:5‘:52‘)1:‘?7>2‘1%(%2‘ (5‘31/‘?15/‘2Q(923/)‘/1‘82‘4135(92.29‘75‘)1:.‘1@3

N‘ ‘02.2‘:3(/2‘(3‘@7.?‘@(5025‘/07/‘027 /0‘739‘/02‘8 255(3;5‘>31@3‘ /1‘/02‘(3;23:1:5‘318 2‘739‘8232Q1 23/‘?7)‘82‘2Q2.‘)1:.5‘ ‘7?‘@(/0‘ .25H24/%:‘739‘7%%24/(137/2‘25/22?

N 27.‘(.

N 1:.‘?15/%7(/0%:‘739‘18(;29‘0:?8 2‘52.Q73/

‘$ %

F‘ 1.9‘07/07?‘07.(3;‘%1:39‘%7.?(3;‘7‘31/‘Q2.)‘H.1%(/78 2‘5H24:7/(13‘..1:9‘ 7HH27.‘/1‘07Q2.2I:25/29‘1(5‘/1‘4135:/@(/0‘103‘1@.(3;‘739‘.241?‘?239‘0(?‘ 7‘H2.513‘%1.‘N 7()0‘441.9(3;)‘1(5‘@.(/25‘874>‘/07/‘1@.(3;‘.241?‘?2395‘7)1:3;‘?73‘37?29‘103‘-2//)‘/02‘513‘1%75:85/73/(7‘%7332.‘739‘?15/.25H24/78 2 -.1/25/73/‘(5523/2.‘@01‘(5@((3;‘/1‘82‘524:.(/)‘/1‘/02‘7?1:3/1%7/01:5739‘H1:395 %1.‘0(5513‘(%.2I:(.29‘/‘/02‘57?2/(?2‘1(592(47/2)‘5:;;25/5@02/02.‘(/@1:9 31/‘81‘?1.2/1‘1.9‘07/07?=579Q73/7;2/1‘2/‘/02‘@012‘1.‘H7./1%0(5‘25/7/2X /02‘292.‘-2//)‘82(3;‘I:(/2@((3;‘/1.23/(/‘739‘/1‘H:/(3‘0(5513‘103‘-2//)‘75 /2373/‘/1‘/02‘7.‘N 2373/5‘1%407.74/2.‘(3‘/0252/(?25‘0‘02‘@.(/25‘N)1:‘41:9 31/‘@13/‘ ?H15(/(135‘739‘Q2M7/(135‘3:?82.255‘)1:‘@1:9‘%1.2;1‘-.1%(/)1:‘ @1:9‘.27H%‘739‘07)‘41.3‘8://2.‘402252‘?(>‘47//2‘)1:‘?(;0/.242(Q2‘%.1?‘/02 /2373/5‘7/‘%(M29‘?7.>2/RH.(42%‘.(‘(/‘(5‘H.1878‘2‘/073‘)1:.‘1.950(H‘1.‘ ?15/‘1/02.‘318 2?23‘1.‘;23/2?23‘41:9‘.7(52/02?‘)‘1.9‘‘01H2‘‘7?‘31/‘/11‘ %.22%‘8:/‘/02‘5:8G24/9.7@5‘?2‘@(/0‘7027./)‘91@3.(;0/‘;119‘@(0<N‘7)‘2Q2.)‘ 5:H2.(1.‘%2(4(/)‘04134:925‘1(5‘N7//239‘/02‘%7?(‘)‘7/‘:./13R-)3523/<7‘13J 5:40<739‘)1:.‘1.950(H‘82‘H.252.Q29‘/1‘:5‘13;‘7‘H(7.‘1%41:9‘739‘1%%(.2‘/1‘;1

V @@ B

M((.

1' 9]A &6 +¯, '!$$L

N' '/01:5739'/073>5' ?)'927.' (.'%1.'/02'5H229)'7..(Q7'1%'?)'/3(5/)'
%.(239' 1@.(3;'@01' 075'G:5/' 2%/' ?2' /1' H755'/02' 2Q23(3;'@(/0' .'
H2>2' 1@.(3;5' 9(54.2/(13'@23/' 51'%7.' 75' /1' 9.1H' 0(5'%2 1@R'
/.7Q2 2.' 103'-2//)'7/'/02'(33'7/' :..)' 25/'51'5:9923'73'7HH7.(/(13'
?(;0/' 47:52'/11' ?:40'5H24: 7/(13'7?13;' /0152'@01?'(/' ?7)'41342.3'
0(5'H(242'1%'4(.4:?5H24/(13'(5'/02' 47:52'1%'?)'07Q(3;'31/0(3;'75')2/'
/1'57)'13'/0152' ' ') 44 ' 75' 1.9' 7413'/2.?5'(/'/02'
'1%' 103'-2//)' ' 7?'/1'522'/02')1:3;'?73'/1?1..1@'?1.3(3;'
739'07Q2'(3'7' ?7(?2.' H.2Q(1:5)'52// 29' ?7//2.5' @(/0' ?)'%.(239'
1@.(3;'(3'H:.5:7342'1%')1:.'G:9(4(1:5'79Q(42
N' '?273'/1'%(M'/02'97)'%1.'-2//)=5'41?(3;'%1.'/02'%(.5/'1%' 20.77.)'
@0(40'H2.(19'@('7 1@'/(?2'%1.'27.)'%7(.5'%1.'47// 2' /02.'4135(92.7J
/(135'7 51'7.2'5/.13;'%1.'H://(3;'73'239'/1'H.2523/'?(5(B:2' &# '
7)')'47331/'82'/11'5113'H7./29'@(/0' '07Q2'H.1H1529'%1.'/02' '
1%'?)'32@' 1Q2.31.' V5 # H2.'733:?' 19;(3;'739'817.9'@0(40' '
(?7;(32'@('57/(5%)'X 739' '@1:9';79)'07Q2'7 'H7./(25'H 27529
N 02'%.(239 (3255'739'027./)';119@('1%')1:.'01325/' 1.52/50(.2'
%7.?2.5'(3'?)'%7Q1:.'%7//2.'?2'0(;0)'739'31:.(50'51?2'.2% 24/(135'
51 (9)'H 275(3;'/1'?)'?(39' 02';119'/(9(3;5'413/7(329'(3')1:.'>(39'
2//2.'.2 7/(3;'/1')13.'027 /0'.2G1(42'?2';.27/)X 739'/02'Z k')'
/25/(?13)'1%'01325/'?75/2.' 103' 1@.(3;'/1'/02'57?2'2%%24/'@75'73'
799(/(137'57/(5%74/(13' 2(2Q2'?2'927.' (.'@(/0'2Q2.)'523/(?23/'1%'
0(;025/'.2;7.9

N' 15/'%7(/0%:)'739'7%%24/(137/2)')1:.5

N' 3 (.

N'- <)'H.2523/'502H02.9'(5'7'Q2.)'1 9'52.Q73/'1%'/02'H 742'739'
73'01325/'%2 1@'Ü 31'%7Q1:.(/2'1%'/02'.2(;3(3;'-1@2.5
N''07Q2'5223' 103'-2//)'/0(5'?1.3(3;'739'(>2'0(?'@2 ' (5'11>5'
825H27>'1.92.'739'.:2'@(/0'(3;23:1:5'H 7(33255' 01:92.5'%(/'/1'827.'
/02'@2(;0/'1%'?1.2'74.25'/073'?(32'!0

&

N'7 +¯8. ¯ ¯ 'L'!$$L

N')'927.' (.

N' 02'(35/.:4/(Q2'413%2.2342'@(/0'?)'01325/'41:352 1.5'(5'G:5/'
8.1>2':H' '7?';.27/)'29(%(29'8)'/02'(3/2 (;2342'1%'81/0'(3'/02

82%1.2'739'279'/0252'37/(135'739'/02(.'2 24/29'%7?()'/02'@7)'/0.1:;0'/0152'9(%%(J
4:/(25'739'973;2.5'@0(40'5:..1:39'/02?'739'@0(40'31' 3;(50?73'31.'.(50?73'
41:9'1Q2.'07Q2'079'/02'027./'/1'522>'1:/'!0 * 9 "¯

.25H24/(Q2‘ 407.74/2.5‘ 1%‘ /02(.‘ ?(395‘ 02‘ ;(%/‘ 1%‘ :/2.7342‘ (5‘ @(/0‘ 75/2.‘ -2//)‘ 1.2‘ 4 27(:455‘ 739‘ 57;74(/)‘ ‘ 07Q2‘ .7.2)‘ 5223‘ X 75/2.‘ 1@.(3;‘ 31‘ @7)‘ 820(39‘ (3‘ 37/(Q2‘ 52352‘ 739‘ 1Q2.% 1@(3;‘ @(/0‘ 027./(J 3255‘ 739‘ 627 ‘ 1:.‘ ;1193255‘ (3‘ ;(Q(3;‘ ?2‘ /0(5‘ H.1%(/78 2‘ 739‘ /1‘ ?)‘ ?(39‘ H 275(3;‘ 74 I :7(3/7342‘ (5‘ 7‘ Q2.)‘ .27‘ 18 (;7/(13‘ 79929‘ /1‘ 31‘ 501./ (5/‘ 1%%.(239)‘ 1%%(425‘ /.275:.29‘ (3‘ ?2?1()‘ B

N‘ 02‘ 7441:3/‘ 1%)1?F (3% 7? ?7/(13‘ 1%‘ /02‘ :3;5‘ 7 7.?5 5/(‘ /01:;0‘ H75/‘ ‘ 1?2‘ .2/.15H24/5‘ 47331/‘ 82‘ Q(2@29‘ 8:/‘ @(/0‘ 5235(8 2‘ H7(3‘ 2/ (/X‘ ?)‘ 927.‘ (.‘ ‘ 8252240E)13‘ 52.Q2‘ %1.‘ 73‘ :52%:‘ 25513‘ 1%‘ 47:/(13‘ %1.‘ /02‘ %:/?-2‘ 1/0(3;‘ 51‘ 973;2.1:5‘ 75‘ 7‘ 5:9923‘ .2Q: 5(13‘ 1%‘ 0:?1:35‘ /239(3;‘ 91@3@7.95‘ 25H24(7)‘ 8)‘ @2//(3;‘ /02‘ %22/‘ ‘ ?:5/‘ 31/‘ 92 7)‘ ?)‘ H7./(3;‘ ;:25/5‘ 8)‘ (39: ;(3;‘ 75‘ ‘ @(50‘ /02‘ H 275:.2‘ 1%‘ 413Q2.5(3;‘ @(/0‘)1:

N‘ 15/13‘ (5‘ ‘ %(39‘ (3‘ 7‘ 0(;0‘ %2.?23/‘ 1%‘ 5H(./‘ 02‘ 1@3‘ ?22/(3;‘ 075‘ 0131:.29‘ ?2‘ 8)‘ 1.92.‘ @(/0‘ /02(.‘ .251:/(135‘ H.(3/29‘ 0252‘ @1./0)‘ 2@R 3;739‘ ?23‘ %22‘ 75‘ 9‘ 3;739‘ 1:;0/‘ /1‘ 91‘ %‘ .(;0/5‘ 739‘ (82./)‘ @2.2‘ /.:)‘ 927.‘ 02.2‘ /02)‘ 41:9‘ 31/‘ 81‘ 1HH1529‘ /02.2‘ (./:25‘ @1:9‘ 31/‘ 82‘ 4.(?25‘ 2Q23‘ (3‘ /02‘ 2)25‘ 1%‘ 41?=/(2.5‘ 1?(H/‘ 75‘ /02‘ /(?25‘ 7.2‘ 19‘ 13)‘ >31@5‘ /02‘ (55:2 F

N‘ 79)‘ 07/07?‘ H.2523/5‘ 02.‘ 825/‘ 41?H(?23/5‘ 739‘ /02‘ 1:/0‘)1:‘ %7Q1:.‘ 51‘ 0(;0)‘ 82;‘ /1‘ 1%%2.‘ /02(.‘ .25H24/5‘ ‘ 7?‘ @(/0‘ @7(?25/‘ 25/22?‘ 739‘ 4135(92.7/(13‘ 927.‘ (.

N‘ 1:.‘ ?15/‘ %7(/0%:‘ 739‘ 1829(23/

1‘ ,

&

H‘ ‘ 0 ,‘ 4 ‘ ; #Z

+DE?+ + ‘ ? < BM‘ &MB A ‘+ 2O‘ ..+

F= 1.9‘ 07/07?‘ 47331/‘ 2/‘ ;119‘ 75/2.‘ 23()‘ -2/%)‘ .2/:3(‘ @(/01:/ ?7>(3;‘ 0(?‘ /02‘ 827.2.‘ 1%‘ 7 ‘ .25H24/5‘ 739‘ /073>%:‘ 74>31@ 29;?23/5 /1‘ .‘ 1 (5‘ %1.‘ /02‘ (3/2.25/‘ 02‘ ?15/‘ >(39)‘ /7>25‘ (3‘ 0(5‘ .241Q2.)%

F‘ 1 (5‘ @.(/25‘ /1‘ 1.9‘ 07/07?‘ 28‘ ‘ !$$L‘ X< N ‘ 507 ‘ /7>2‘ /02‘ (82./)‘ /1‘ 5239‘)1:.‘ 1.950(H‘ 731/02.‘ 2@‘ 3;739‘ -:8 (47/(13‘ /02‘ /(/ 2‘ 1%‘ @0(40‘ (5‘ 7/‘ H.2J 523/‘ %1.;1//23‘ /01:;0‘ .2H.(3/29‘ (3‘ 3;739‘ 8)‘ ?)‘ ?2735‘ /‘ 413/7(35‘ 7?13;‘ 1/02.‘ ?7//2.5‘ 7‘ H1 (/(47‘ 9(552./7/(13‘ %(.5/‘ (352./29‘ (3‘ 7‘ 15/13‘ 32@5H7H2.‘ @0(40‘ (5‘ /01:;0/‘ /1‘ 82‘ 7 827:/)‘ 739‘ 501@5‘ %:‘)‘ /02‘ ;23(:5‘ 739‘ ;232.7‘ /:.3‘ 1%‘ /0(3>(3;‘ 1%‘ /02‘ H.2523/‘ 1./0‘ ?2.(4735 0‘ I ‘ <+#

]‘ N‘ 7332.‘ 1@.(3;‘ 739‘ /02‘ 2 92.‘ -2//)‘ 522?‘ /1‘ 07Q2‘ 8223‘ 407.?29‘ @(/0‘ 79)‘ 07/07?=5‘ ;119‘ 52352‘ 739‘ 4139254235(13‘ 1‘ 1.9‘ 07/07?‘ 1 (5‘ @.(/25‘ 13‘ /02‘ !S/0‘ 1%‘ H.(‘ %1 1@(3;X< N‘ 7.?2.‘ -2//)‘ 739‘ .‘ 1@((3;‘ 7.2‘ %:‘ 1%‘ /02‘ H.7(525‘ 1%‘ 79)‘ 07/07?‘ ^ 02‘ (5‘ 7‘ @1?73‘ 1%‘ 8:5(3255‘ /11 ± 4.(29‘ 7332.‘ -1//) < ^ D 07/‘ 7‘ %(32‘ 4.27/:.2‘ /1‘ 8.229‘ 1:/‘ 1%† ± .2H (29‘ 7.?2.‘ 1@.(3;0‘ I ‘ <+‘

N (2 %.(239) ;1:/ 31@ 522?5 .2/:.3(3; /1 (/5 9:2 41:.52 7%/2/ 82(3; 4024>29 8) /02 51.2 /0(R17/ 739 %2Q2. @0(40 47?2 74.155 739 ?:40 9(5/:.829 37/:.2 (3 02. (3/23929 1H2.7/(135 2 .2G1(425 ?:40 (3 . 1 (5=5 H2.%24/ 027 /0 739 @75 H 27529 /1 027. 1% 0(?.73;(3; /02 @01 251?2 02(;0/5 1% 1.52/ 8.27/0(3; H:.2 ?1.3(3; 7(. 739 11>(3; 91@3 @(/0 .2;.2/ (>2 /02 ;:7(R9(73 5H(./ (3 ^ 1?:5=<

^ 3 / (2 .73> Q7H1:. 1% /0(5 5(3R@1.3 @1. 9 =

1.9 07/07? 01H25 /02 H.1 13;7/(13 1% .F 1 (5=5 5/7) 7/ .25 @(?1.2 %(.?) 25/78 (50 /02 027 /0 02 38@ 23G1)5

N 75/2. 23.) -2//) (5 /02 ?15/ (3/2 (;23/ 1% ?23 (3 0(5 @7) 02 513 H.1?(525 31/ /1 92;232.7/2 %(=1? /02 5(.2 X (5 74/(Q2 H.1Q(923/ 739 7 @7)5 (3 0(5 8:5(3255 / (5 31/ 91:8/29 8:/ 02 @(H.1Q2 7 41?H 2/2 87((%%

N 02 24.2/7.) 79) 07/07? 925(.25 /1 755:.2 . 1 (5 1% 02. 825/ 41?H (?23/5 739 7 ;119 @(5025 02)1:3; %7?() 82; /1 82 7 1@29 /1 G1(3 (3 /02 57?2 0

&

1 4 9] & , 2 - !$$L

N % 7//2. ?)52 % ?) 927. (. /07/ 73 7441:3/ 1% ?) 79Q73425 /1@7.95 027 /0 @(31/ 82 :3(3/2.25/(3; 7/ .25 :H13 @0(40 H 742 7? 07HH) /1 027. /07/ 8 255(3; 5?(25 7? .241Q2.(3; /073> 19 7H742 739 01H2 5113 /1 07Q2 5/.23;/0 /1 ?1:3/ ?) 5/229 3 /02 ?273 /(?2 7(. 97() 51?2 01:.5 (3 ?) 41740

N 7? 29 7 51 8))1:. >(39 %((23950(H /1 /7 > /1)1:1% 731/02. ?7//2. 31/ 255 327. /1 ?2 /073 ?)52 % 739 ?) 1@3 027 /0 0(5 ?7//2. (5 /02 (35/.:4/(13 1% 1.9 -(/ (3 ?((/7.) 54(2342 /1 @0(40 0(5 ?(39 5/.13;) 47 5 0(? D( )1: 7 1@ ?2 /023 @(/01:/ %:./02. 7H1 1;) 1.H.2%742 75 82/@223 %.(239 739 %(R(239 /1 G:?H 7/ 1342 /1 ?) .2I:25/ 1%)1:. 79Q(42 739 755(5/7342 ¢ 7H/7(3 23329) /02 Q2.) 501./ /75/2 1% @0152 74I:7(3/7342 7/)?2 5/.:4>?2 2M/.2?2) /1;2/02. @(/0 0(5 9(5/(3;:(5029 .2H:/7/(13 75 73 1%%(42. 739)1:. >31@ 29;2 1% 0(5 ?73) 7441?H (50?23/5 (5 /02 18G24/ 1% /0(5 2//2.

N -(/ 075 73 7.923/ 925(.2 /1 82 (35/.:4/29 (3 1./(%(47/(13 G (5 @2 ;.1:3929 (3 ?7/02?7/(45X 739 075 73 7H/3255 /1 :52 /02 H234(D02.2 41:9 /0(5 7:978 2 925(.2 /1 82 (3(/(7/29 (3/1 /02 54(23/(%(4 8.7340 1% @7.82 51 79Q73/7;21:5) 57/(5%(29 75 :392. /02 (35/.:4/(135 1% 7H/7(3 23329) 41:9 (/ 82 H155(8 2 /1 18/7(3 5:40 7 H7./(4:7. %7Q1:.¢ 7? (3 31 @7) 23/(/ 29 /1 /7>2 /02 (82./) /1 51:39 /0(5 .25H24/78 2 Q2/2.73

13' /02' 5:8G24/' 1:.' 79Q(42' 739' 755(5/7342' ?)' 927.' (.'(5' ?)' 13)' .251:.42' @0(40' ' 507 ' 82' 0(;0)' (3928/29' 8)' 82(3;' 0131:.29' @(/0' 01:9' ?)' ?15/'27.325/'@(50' (3' /0(5' Q2.)' (3/2.25/(3;' 7%%7(.' 82' %7Q1:.J 78)' .242(Q29' 8)' 7H/7(3' 23329)' -(//' ?(;0/'H755'51?2'/(?2'7/')?2X 739' H2.07H5' (%'0(5'027 /0' H2.?(/5' 7H/7(3' 23329)' ?(;0/'82' H.2Q7(29' @(/0' /1' 91' ?2' /02' 0131:.' /1' H755'7' ?13/0' (3' /((2'5:?'?2.'7/' :./13R -)3523/' @02.2' /02' H275:.2' 1%0(5'41?H73)' @1:9' 82' 5:.2' /1' ;(Q2'Q2.)' .27' H275:.2')' 41740' /11' @1:9' 7@7)5' 82' 7/' 0(5'41??739' /1' 413Q2)' 0(?'%.1?' /(?2' /4%/(?2' /1')?2' 75' 1%/23' 75' 02' H27529 F

N' '%22' 01@R;.27/' 7' %.R2291?' '7?' /7>(3;' @(/0' .' 1 (5X' 8:/' ' 4 ' @0(40' (?H(25'7 '>(39' 1% 425' /1' ?73' 739' /1' ?2'U(3' /(2' 7.;25/' ?275:.2' 755?=25' ?2' 1%%1.;(Q23255' 739' %1.8(95' ?1.2' 2M4:525

N' 79)' 07/07?' 925(.25' /1' H.2523/' 02.' 825/' 41?H(?23/5' 739' 1:.')1:3;' 4792?)' 82;' /1' 1%%2.' /02(.5

N' '7?' @(/0'0(;025/'25/22?

N')' 927.' (.

N' 1:.'?15/'1829(23/

N' 39' 18(;29'0:?8 2' 2.Q73/

1'

F' 02'7 :5(135'/1'N 7H/7(3' 23329)'(3'/0(5' 2//2.'@('02'025/'2MH 7(329'8)' /02'%1 1@(3;'2M/.74/'1%'7' 2//2.'%.1?' 1 (5'/1' 1.9' 07/07?'97/29' H.('!S'!$$LX<' N'/'(5'7HH.2023929'0'02'@.(/25'N /07/'(3'H1(3/'1%'78(/)'75'73' 3;(322.'2MH2.(2342' 739'5>('75'73'1%%(42.'739';232.7'7441?H(50?23/5'75'7'; 23/2?73' .' 23329)'(5' /02' # P 4 '/1'(3(/(7/2';:(92'13' 1.9'-(//'(3'0(5'7:978 2'925(;3'1%1:/(32'>31@J 29;2'(3'/02'?7332.'%(;:.29'8)')1:.'1.950(HX /07/' .' 23329)'@('82'H.1:9'1% 5:40'73' '739' %22'/02';.27/'0131:.'1%')1:.'1.950(H=5'413%(92342'739'/.:5/'(3' 0(?'X /07/'(%'(/'507 '82'3242557.)'02'@('.242(Q2' 1.9'-(//'(3/1'0(5'01:52'739'/.27/' 0(?'/02.2'(3'7' H 7(3'.27'@7)'@(/0'7'%(/'9241.:?'739'.25H24/X /07/' 01'@('7442H/' 4022.%:)'739'@(/0'0(;025/'413/23/'57/(5%74/(13'739';.7/(/:92'739'.7/02.'@(/0'/02' 3229'1%'(/'73)'^0131.7.)=@(/0'@8O(40')1:.'1.950(H'507 '/0(3>'H.1H2.'/1'.2@7.9' 0(?0' 23329)'(5'9254.(829'8)' 1 (5'75'7' N;.27/'(3Q7 (9 0' @(/0' N51?2'H24:J (7.(/(25'1%'9(5H15(/(13X0'75'@29929'/1'/02'NH:.2'739'823(;3'7(.0'1%'.?2' 2;(5' 739'/07/'H.1878)'02'N41:9'09/'@1:9'31/'/0(3>'(/'57%2'/1'.2?1Q2'%.1?'(/'13'73)' 4135(92.7/(13'31'31/'2Q23'%1.'7'?13/00<N' 3'/02' 01:52'@(/0' .' 23329)0'7995 1 (5'N'(Q25' B ' RRRRR'1%'?73)')27.50(5'?(5/.255'(/'(5'H.1878 2'%1.'413Q23(2342 739'(// 2'2 52' 02'(5'7'41?2)'H2.513'781:/'/0(./)'X 5235(8 2'4 273'73'2M42 23/' 01:52>22H2.'739'51?2@07/';(Q23'/1'H.7/2'739'/1'Q(7;2'41352I:2342'739'547397' /1'@0(40'/02'74:/23255'/:.3'0:?1:.'(.13)'1%'02.'41 27;:2'07Q2'(3'7'H.(34(H7' 92;.22B 29'02.'13' (M')27.5'1%'/02'%1@2.'1%'?)'(%2'07Q2' 92Q1/29'/1'522'^?73)' 4(/(25'739'?73)'?23=5'?7332.5=739'82%1.2'739'5(342'07Q2'/:.329'1Q2.'?73)'811>5' 734(23/'739'?192.3'8:/'32Q2.'/0.1:;0'?)'@01 2'1852.Q7/(13'07Q2' '?2/'/02'407J .74/2.'1%' .' 23329)0B 1 (5'?23/(135'(3'/0(5'2//2.'/07/'02'079'8223'(3/(?7/2)' 74I:7(3/29'@(/0' 7H/7(3' 23329)'5(342'/02')27.'!$V*'@023'/02)'079'?2/'7/' 23(42

&

1' 9] ‰ L 'Ag)' !$$"

N 27.' (.

N '07Q2 ?15/ ;.7/2%:)'%2 /'739 ?7/:.2)'@2(;029' /02 Q7.(1:5 H7./5 1%)1:.'>(39 2//2.'(3 735@2.'/1 ?)'.2I:25/

N 02 (;0/5 /02.2(3 413/7(329'739 /02 H.:923/ 79Q(42 51 18 (;(3;)' 5:;;25/29'7.2 7?H2 /1 ?)'H:.H152'739 27Q2 31/0(3;'/1 82 925(.29 13 /02 0279 1%(3%1.?7/(13' 5 ':392.5/739)1:'7.2 /1 ;1 /1)?2 Q2.)' ;01./)' '507 '25/22?'(/ 7 ?15/.27'%7Q1:.'(%')1:'@('8.27>'739 H.1J H152 /1 .' 23329)'?)'27.325/ @(5025 739 .2I:25/' /07/ 1.9 -(// ?(;0/ .242(Q2 %.1?' <4' /02 825/ 255135 '473 925(.2 %1.'0(?'13 /07/ 25523/(7'8:/ (// 2 :392.5/119 8.7340 1% 52.Q(42 8)'1:.')1:3;'1%%(42.5' 1./(%(47/(13

N '(?7;(32 /07/ /@1 1.' /0.22 ?13/05' :392.'5:40 78 2 (35/.:4/(13 P ?(;0/5:%%(42 /1 ;(Q2 7 ;232.7'1:/(32 1% /07/ 54(23/(%(4 8.7340'739 /07/ /02 H.(34(H 25 1% 7:873'%1.' 2M7?H2'739 /02 4135/3(4/(13 1% Q7.(1:5 H1);135'13 /07/ ;.27/ ?73=5 H.1H15(/(135' ?(;0/ 82 Q2()' /01.1:;0)' ;132 /0.1:;0 (3 /07/ /(?2% 51 75 /07/ 7%/2.@7.95 1.9 -(// ?(;0/ @1.>' @(/0 51?2 :/(/)' 8)'0(?52%' /('02 ;125 1:/(3/1 /02 7.?)' (5 ?(39 (5 5/.13;)'823/ 13 /02 H:.5:(/'739 '7?' 5:.2 02 @('82 7 9((J ;23/ 9(54(H 2

N %' .' 23329)=5 735@2.'501:9 82 %7Q1:.78 2' 'H.1H152 /07/ 1.9 -(// 501:9 H755 4'4 '1% /02 5:??2.'7/)?2'(3 ' $ @0(40 507 '82 /7>23 %1.'0(?'(%' '501:9 31/7..73;2 ?7//2.5 51 75 /1 41?2 /1 /07/ H742 ?)52%'H2.07H5 %1.' 7 ?13/0' '01H2 /1 82 78 2 /1 5239 0(?'/1@7.95 /02 7//2.'239 1% 7)'8:/ 473 %(M 31/0(3;' 7851J :/2)')2/'75 /1 /02 /(?2

N '07Q2 31@'?)'927.' (.':529 Q2.)'%.22)')1:.' (39: ;2342 (3 H2.J ?(//(3;' ?2F/1 /.1:82)1:% 8:/ >31@(3;' H2.%24/)' /07/)1:' ?273/ ' 501:9 7Q7(' ?)52%1%)1:.';119 1%%(425' '@('31/ 799 /1)1:./.1:82 8)'?73)'2M4:525

N 0(3;5 522?' 075/23(3;' /1 7 4.(5(5 7/ 15/13' 02(.' 735@2.' /1 1Q2.31.' :/40(3513F 413/7(35 ?73)'4:.(1:5H7./(4: 7.5'739 (5 5/.13;)' .2751329'8:/ /02 /(?25 7.2 ?15/ 79Q2.52 /1 /02(.' 4 7(?5' Q23 /02 HH15(/(13 9252./29 /02?'739 /02 D 0(;5 7.2 1%%23929'1.'/7>2 /02 H.2J /2M/ 7/ /02 15/13(735 .7(5(3;' /02 H1@2.' 1% /02 .1@3 7/ /02 2MH2352 1% /02 7:/01.(/)' 1% -7.(7?23/' '07Q2 2Q2.' %1:39 '0.1@3 (3 ?)' @7)'@023 '5H1>2 (3 %7Q1:.' 1% /0252 /.:2 5135 1% 4(Q('739 .2(;(1:5 (82./)' '11>' %1.@7.9 /1 /02 /(?2 @(/0 Q2.)' H7(3%:'73M(2/)' 02

@01 2 135/(/ : /(13 (5 7 50791@ 1 2 . 7/(13 075 8223 7 ; 7(3 H . 1Q29 7 ? 14>2 .) 02 (501H 1% (341 3=5 7@3 (5 H : . 2 739 : 35H1//29 507 02342%1 . /0 47 0(?/02 > 6 #3

N 7?@(/0 H2 . %24/ 25/22 ?

N 27 . (.

N 1 : . ? 15/ 1829(23/

N 39 7%%24/(137/2 0 : ? 8 2 52 . Q73/

G 1

N - < 79) 07/07?925(.25 02 . 825/ 41?H(?23/5 1325/ 1@J .(3 ; (5 92 (; 0/%((739 0(5 . : . 7 2341?(: ?5 ?1 . 2 % 7//2 . (3 ; /073 41?/) 41?H(?23/5 0

&

: R-.75 < , ,) BN !$$L

N 1 . 9 739 79) 07/07?=5 41?H(?23/5 825/ 41?H(?23/5 7//239 . 1 (5 02) 7 . 2 73M(1 : 5 /1 >31@ 01@ 0(5 41 9 (5 739 @(. 2G1(42 /1 27 . 3 /07/ 02 31 @7) 5 : %%2 . 29 8) /02 Q2 .) >(39 Q(5(/ @(/0 @0(40 02 0131 : . 29 /02?0 22 /0 . 22 97)5P 5(2342 5(342 ; (Q25 ? : 40 57/(5%74/(13 75 (/ 5(; 3(%(25 . : 4>2 . =5 413523/ @(5025 02 . 2 7 . 2 823/ /1 /75/2 @023 H . 74/(478 2 /02 . 7 . 2 4 (?7/2 1%) ?2 1 : / 1% 3 ; 739 /01 : ; 0 313J .25(92342 1% /02 - . 20239 @(. 18 /02 H 742 1% 7 ; . 27/ H7 . / 1% (/5 027 /OR (35H(. (3 ; (3% : 2342

N 02 ?15/(3 ; 23(1 : 5 739 922HR . 2740(3 ; 7?25 7 . . (3 ; /13 (5 75 41342(Q29 2MH . 255 739 % : %1 . 7 37/(137 25/78 (5029 . 2 (; (13 (5 7 : /01 . (/) (5 @2(; 0/) 739 ?) 31/(135 41342 . 3(3 ; 4 5 4 7 . 2 40(2%) . 2 ; : 7/29 8) 0(5 H . (34(H 25 13) /0(3> 02 H : /5 /1 2 . 7/(13 @0(40 075 7 /1 82 5 : 392 . /11 ?: 40 413/ . 1 G %1 . 02 5 : 8J G24/5 (/ /1 73 7HH27 (3 42 . /7(3 47525 /1 ?7 ; (5/ . 7/25 739 /02 41 : 34(1% . 2 (; (13 /1 92/2 . ?(32 (3 ?7//2 . 5 1% H . (Q7/2 G : 9 ; ?23/ 739 41354(2342

N 7) 82 ; ?) 41?H(?23/5 /1 . 23329) ¢0

& &

1 RA C 0 " # 0) H75/ "

N 1 . 9 07/07?=5 825/ 41?H(?23/5 739 78 : 3973/ /073>5 7//239 . 1 (5 %1 . /02 0131 : . 1% 0(5 Q2 .) >(39 23 I : (. (25 7%/2 . /02 027 /0 1% : . /13 739 /02) ?2 2/740?23/ . 25H24/(Q2) 7 . 2) /073>19

F . 1 (: (213 1 9(29 (3 !$$,

@2 ' 02' 5(3;: 7.' 407.?5' 1%' 0:?8 2' .14>5' %.1?' @0(40' @2' 7.2' G:5/' .2/:.329' D((7?' .' D(513 F' 739' /02' @.(/2.' 1%' /02' 31/2 Y' %(' 1:.' (?7;(37/(135' 82)139' 2MH.255(13' 739' 87 7342' /02' 51%/2.' 827:/(25' 1%' -(332)')?2' 2;(5' 739' (/5' 23)(.135' ;.1@' ?1.2' 739' ?1.2' (3/1' 79?(.7/(13

N' 02' .7H(9' H.1;.255' ?)')1:3;' 3;(322.' ?7>25' :392.' /02' 79?(.78 2' 739' >(39' (35/.:4/(135' 1%'0(5' 7441?H (5029' ?75/2.' %(' ?)' ?(39' @(/0' 75' ?:40' 51 (9' 57/(5%74/(13' 739' G1)' 75' /02' 827:/(25' 1%' 37/:.2' 7.1:39' :5%229' /02' 2)2' @(/0' 92 (;0/' D2' @(50' H7./(4:7.)' %1.' /02' 8232Q1 23/' %.(239' 739' >(39' ;:(92' /1' 7' /0252' H 275:.25' 739' 79Q73/7;25

N' 02' (99 2' 1%' 7.>3255' Q.(' 5113' :3%1 9' (/52 %' 739' 57Q2' /02' 781:.' 1%' 2MH1:39(3;0

&&

K'R * 4' L o ¢' ,'! ' ? ,'V ' !$$L

N' 73)' 41?H(?23/5' 7//239' .' 1 (5' %.1?' 1.9' 07/07?' 2'(5' ?:40' ?23929' 8)')?2' /02' 92 (4(1:5' X' (5' ;1(3;' %1.' /@1' 1.' /0.22' 97)5' /1' :./13' 739' 01H25' /1' 07Q2' /02' 57/(5%74/(13' 1%' 47..)(3;' /1' 79)' 07/J 07?' 7';119' 7441(?/' 1%' .' 1 (5=5' 027 /0' X' /(9(3;5'/.:)'(3/2.25/(3;' 13' 1:.' 0(' 02')1:3;' ?((/7.)';125' 13' /1' ?)' @(50' 1:.' %.(239' .' 23329)' ?1.2' /073' /274025' X' 02' (35H(.25' 5:40' (5' /02' H.1;.255' 1@' 07HH)')1:.'>(39' 7(9' /1' .11/' 739' 8.7340' D(/01:/'(/' '@1:9' 07Q2' @73/29' /02' 027 /0R.25/1.(3;' 7(.' 1%')?2' 739' /02' ' /02' :35H27>J 78 2' 79Q73/7;25' 1%' /02' ?15/' 7441?H(5029' 739' ?15/' 18 (;(3;' 1%' (3R 5/.:4/1.5/

N' 1/0' /09' 51 9(2.' 739' /02' 7@)2.' 82;' /1' 1%%2.' /02(.' .25H24/%:' 41?J H(?23/5 0'(

F' 02' 2Q' 9@7.9' D(513' H.(Q7/2' /:/1.' /1' 1.9' 07/07?=5' 40(9.23' 739' 7%/2.G' @7.95' H.(Q7/2' /:/1.' /1' D((7?' -(//' 7/' /02' 3(Q2.5(/)' 1%' 7?8.(9;2' 2' 9(29' (3' !"*!' 24/1.' 1%' (3((2 9' (3' 2.>50(.2' 739' 7' 7313' 1%' D(3951.

]' 1' 79)' 07/07?' 1(R9' 07/07?' @.(/25'%.1?')?2' 2;(5' 13' /02' !!/0' 1%' :31<' N .' 1 (5' 47?2' /1' :5' 13' D2932597)' 739' 413/.(Q29' /1' 501@' ?2' ?1.2' 827:/(25' (3' /02' 41:.52' 1%')25/2.97)' /073' ' 41: 9' 07Q2' 9(541Q2.29' @(/01:/'0(?' (3' 7' /@2 Q2?13/0' ?(95/' 7' /02 827:/(25' 1%' 4.27/(13' 0(5' 1@3' ?(39' 01 95' 8)' %7.' /02' ?15/' H.1?(323/' H 742' 2' (5' /02' 07HH(25/' 1%' 82(3;5' 8)' 9(5H235(3;' 413/(3:7)' 07HH(3255' /1' 1/02.5'0' ' Q1' (Q' H' +#,

' 1.9' -(//' N /02' 51 9(2.0' 739' D((7?' -(//' N /02' 7@)2.0' @2.2' 52Q2.7)' H:.5:(3;' /02(.' 5/:9(25' 7/')?2' 2;(5' 7/' /0(5' /(?2' 24' 4')' Q1' (Q' HH' +## < +$*

& &

1' 9] ℓ G" 0' +,(y(' !$$L

N' D 07/' /073 45' /1' .' 1 (5' 473' 82' 231 : ; (' %1.' ;(Q(3 ;' s ? 2Z' /1' .279' (? ? 1./7' :407373' 9 ' ? < 7' Q1 : ? 2' 5 ? 7 ' (3' 8 : >' 8 :/' 8(;' (3' ? 7//2. < 2Q23' 7 ' /02' 23 ;/0' 739' 8.279/0' 92H/0' 739' 02(;0/' 1%' /07/' ;.27/' 7. ; : ? 23/' @0(40' /02' %(.5/' ;23(: 525' 739B ? 75/2.R5H(./5' 1%' /02' 0 : ? 73' .742' 07Q2' 7552./29' 51' 318)' .1 ?' 0(?' %(.5/') ' ' 4 ' /02)' 07Q2' 7 ' 9. : 3>' 739' 07HH(25/' @01' 075' 9. : 3>' /02' 922H25/' ' B .22J 91 ?' 11>5' 91@3' @2 RH 27529' : H13' /02' 07HH)' 5H1/' /1' 413/2 ? H 7/2' /02' /. : 25/' 1%' 02.' 5135' 5/.2@(3 ;' /02' H(1 : 5' 17>R 27% 1Q2.' /02' 927/0 255' ? 2 ? 1.)' 1%' /02' 13 ;R92H7./29' : 407373' 1 : 9' 7') ' 07Q2' 5H. : 3 ;' %(=1 ?' / (2' 57 ? 2' 41 : : /() ' @07/' 0 : ? ((7/(135' @1 : 9' 07Q2' 8223' 57Q29' /1' H11.' 3 ; 739' † 7)') 1 : .' G1 : .32)' /1' 1@3' 82' H.15H2.1 : 5' 739')1 : .' .2/ : .3' %.1 ?' /02' H1 : /29' 47H(/7' 82' 5H229)' T

N 79)' 07/07 ?' H.2523/5' 02.' 825/' 41 ? H (? 23/5' 02' (5' G : 5/' 52//(3 ;' 1 : /' %1.') ? 2' /1' 41 ? 2' 874>' /1R ? 1..1@

N ' 07Q2' 0131 : .29' ?)' 1@3' 37 ? 2' 75') 1 :' 51' >(39)' @(5029 0

& &

1' 9] A ℓ y %4(%c' !+(X' !$$L

N' ' 41 ? H (? 23/5' 739' 0(; 025/' .2; 7.95' 7//239' .' 1 (5' %.1 ?' 1.9' 739' 79)' 07/07 ?' 2Q2.' % 7//2.29' 8)' /02' 0131.' 1%' 0(5' >(39' 7//23/(135' 739' /02' %7Q1 : .78 2' 739' %.(239)' (3/2.25/' 02' (5' 51' ;119' /1' /7>2' (3' 7 ' /07/' 41342.35' /02 ?' 02)' .2G1(42' (3' /02' 413/(3 : 7342' 1%' .' 1 (5=5' 027 /0' 739' /07/' 02' 075' 31/' H : /' (/' /1' /02' /.(7' H, ' 1%' 13913' (3' /02' 91 ; R97)5' D 0232Q2.' 02' ;125' 7 ' @7. ?' ;119' @(5025' 7441 ? H73)' 0(?' %.1 ?' : ./13' -)3523/' :.' H7H2.' 075' 31/' /02' 2//2.' 5(; 329' ^ ;.(41 7 =F' 1.9' 07/07 ?' H.1H1525' %1 1@(3 ;' /02' /@1' 81)5' /1') ? 2' 2 ; (5' Q2.)' 501./) 0

& &

1' RA ' C 0 ℓ + , ' + # '+D ' !$$L

N' 1.9' 07/07 ?' .2/ : .35' Q2.)' ? 73)' /073>5' /1' .' 1 (5' %1.' /02' 0131.' 1%' 0(5' 18 (; (3 ;' 23 I : (.(25' /1' @0(40' /02' 51 9(2.' 4(/(623' 739' /02

F' N' (2' 2//2.' 5(; 329' ; .(41 7' 7 : / (1.' : 3>31@3' @75' (352./29' (3' /02' ' ' ' s (' ? 4 ') ' L' 1% 2H/.' S' !$$L' 739' .2 7/29' /1' 1.3' 37/(137)' 41 : 5(92.29 0' ! ' 5,' I #

7@)2.' 1%'/02' 135/(/:/(13'82;'/1'799'/02(.'.25H24/%:'74>31@29;?23/5'
2' 2%/' 7 '7/' 3(R/13R-)3523/' @2 ')25/2.97)' ?1.3(3;' 739' 079' /02'
57/(5%74/(13'/1'%(39'/02' 92/74029' H7./)'7/')?2' 2;(5'(3'H2.%24/' 027 /0'
7 51' (5' 1@3' 027 /0' (5' ;119' 51?2' 2I:(314/(7' 52357/(135' 1%' ;1:/'
2M42H/29

N' '@(5025':3(/2':392.'1:.'.11%'%1.'/02'413/(3:7342'1%'2Q2.)'%2(J
4(/)'/1' .' 1(5

N' 02' 2//2.'5(;329'^ ;.(41 7'≤9252.Q25'7 '/02'>(39' 52392.' 1%'(/'57(9'
41342.3(3;'(/F' 02'07HH(25/'74I:(5(/(13'1%' 32@'/2..(/1.)'(5' 234.27529'
4:/(Q7/(13' 02'H1:;0'(5'73'7?(78 2'413I:2.1.'739'%7.'1:/50(325'/02'
5@1.9'1%' 2M7392.

X ?3(5'7./.1
(;3:5'01315=

N' %' 14/1.' :4>2.'501:9'82'1H23'/1'/.27/' %1.'0(5'01:52' ' 507 '82'
925(.1:5'/1'/7>2'(/'7/'73'733:7' .23/'%:.3(5029'75'(/'(5'%1.'7'/2.?'1%'
/0.22')27.5'@(/0'7'4 7:52'1%'2?H/(13' '4,'P ' 7/'/02'239'1%'/07/'
/2.?' 02'5:?'%1.'/02'H:.40752R?132)'?(;0/'82'H.1Q(5(137)'52// 29'
-7.913'/0(5'92/7('@0(40')1:.';1193255'7 1@5'?2'/1'/0(3>'31/':3(3/2J
.25/(3;'/1')1:0

&&

1' 9+A & ' DD '!$$L

N' 1.9' 07/07?'07Q(3;'0(5'07395'7?2'%.1?';1:/'92Q1 Q25'/1' 79)'
07/P?'/02'7;.2278 2'/75>'1%'2MH.255(3;'/1' .' 1(5'78:39734Z'1%'
Q2.)'5(342.2'/073>5'%1.'0(5'?15/'>(39'23I:(.)'739'%.(239)'@(5025'%1.'
/02'027 /0'1%' :./13R-)3523/'739'?1.2'H7./(4:7.)'%1.'/02'.241Q2.)'1%'
D((7?' 02'H15/'1%')25/2.97)'8.1:;0/'/073>' 19'7'?15/'41?%1(R/R'
78 2'7441:3/X 02'07Q(3;'8223'1:/(3'7'47..(7;2'739';7(3(3;'5/.23;/0'
2Q2.)'97)

N 1.9' 07/07?'(5';.27/)'(3928/29'/1' .' 1(5'%1.'/02'4?(1:5'
811>'739'%1.'/02'H2.?(55(13'/1'H2.:52'(/'7/' 2(5:.2'7%/2.'@0(40'(/'@('
82'47.2%:)'.2/?R329/' 02' :/01.'739'/02' 241??2392.'07Q2'2M4(/29'
31'5?7'(?H7/(2342'/1'.279'75'5113'75';1:/'7 1@5

N 02'@(3/2.R5:35'739'@(3/2.RQ2.9:.2'1%')?2'7.2'/.:)'41?%1./78 2'X

F' N' 01?75' 1(5'(5' □≠/1'5239'7'9:/)'32@5H7H2.'54.7/4029'7%/2.'/02'?192'
/1' 1.9' 07/07?X 8:/'/02' 2//2.'5(;329' ;.(41 7'7HH27.5'/1'82'1%'51'(?H1./73/'
5:8(?2'739'8232%(423/'7'37/:.2'/07/'02'82(2Q25'0(5'1.950(H'@('31/'82'9(5H 27529'/1'
522'(/'/01:;0'(/'(5'54.7/4029'739'9(./)0' I ' '0 ' 4'!+'+ #!$$L

]' N' '/.27/(52'^1%'/02' 2Q23:2'1%'/02' (3;5'1%' 3;739≤8)'/02'42 28.7/29' (.'
103' 1./454:2X @(/0'7'H.2%742'8)'/02' 7/2' ((9;2' (.' 103' 1./254:2' 4 739 0'
! ' P' I #

739 @2 (11 473 8175 /02 8.(;0/23(3;.7) 739 Q2.973 5822HR@7 > 3H13 1:.0(75 01325 1@.(3;473 /25/(%) @01 ;(Q25 :5 ?15 .27 57/(5%74J /(13 8) 0(5 ;119 /(9(3;5 1% . B 1 (5=5 H2.%24 027 /0 0

V&

1 B] A ($ " # 0) 7 - !$$L

N) 07/07H7 %1. /02 ?15 Q7 :78 2B .74 .2/:.329 02.2@(/0 02 318 2 7:/01. 9125 0131. /1 0(5 7;2 739 41:3/() 739 501@5 /07 1 9 3; 739 41: 9 /0(3 4 739 %22 02 H.2%742 8) /02 9(/1. (5 53H2.2M42 23/ 739R9125 31 92;2J 32.7/2 %.1?) /02 Q232.78 2 (7342 1. 0(2% :5/(42 739 -7/.(1 1% /02 97)5 1% - 73/7;232/

N 1:/5/(073;5 739 H.2Q23/5 /02 :52 1% /02 H23 %((7 524.2/7() @(/0 H 275:.2 2?H 1)5 02. 0739 79) 07/07?/1;2/ (2. @(/0 /02 .25 1% /02 40=4 2 925(.25 /1 H.2523 7 41?H (?23/5 739 5(342.2 ;119 @(5025

N 441:3/5 %.1?) KD((7? 413/(3:2 ?1.2 739 ?1.2 %7Q1:.78 2 0

&&

@H , 4 D

N :: ((R-Q:53 44. !V(\$(!\$\$L

N 79) 07/07?) H.2523/5 02. 825 41?H (?23/5 /1 . 1 (5 739 (5 2M/.2?2)% 7//2.29 8) /02 0131. 1% 0(5 Q2.) (82.7 H.2523 1% 07(=25 %.1?) /02 5@22 %229 7 .(25 (@0(40 ;(Q25 /02?) 7 Q2.) Q7 :29 5:H2.(1.(/)

N 02 2MH24/29 .7Q2 2. (5 31)2 7..(Q29 /02 97) 1% 0(5 27Q(3;) 13913 07Q(3;) 8223 H15/H1329 X 8:/1?1(1@) (/ (5 01H29 @(R8.(3;) 0(?) 57%2 739 @(/0 234.27529 5/.23;/0 /1 /02 7.923 @(5025 1% /02 @01 2 %7?( ) 4(.4 2 02.2 2 @(82 ?792 Q2.) H.1:9 739 07HH) 8) /02 0131. 1% . 1 (5=5 ?15 18 (;(3;) .2?2?8.7342 1% 0(?

N 79) 07/07?) 82;5 /1 H.2523 02. 825 41?H (?23/5 /1 . 1 (5 X .2G1(425 ?:40 (3 /02 ;119 7441:3 1% 0(5 027 /0 (3 @0(40 1.9 07/J 07?) @(/0 7 7 :./13R-)3523/ G1(3(

F 391.529 8) 1 (5 < K 79) 25/2. 1. 79) 7..(1 -(// :./13 -)3523/ 24 !!! !\$\$LX .242(Q29 7 . 25 /02 57?2 97) 8) 7.?2. 103 -2//) X 735@2.29 24 !L 0

NNh

N} % :/ 13/(:(:25 /1 (3;2/ 779 075 0227 7/%42:929 %1./0.12 1. %1:. 97)5 H75/ @(/0 .73.H5 /07/ 9(57;.2278 2X0 F

. (1 5 9(29 13 /02 (58 1% 73:7.) %1 1@(3; /02 97/2 1% /0(5 2//2.

P <# $ 2?$ DC #B$C ! JB JBE @ 0 "CB?2AO QAA 5 6 ..+ ?A GA$ J BOBB $BC B &A97 BG 01 2?O &R ;B$C2&@O DB2J? 1BO A A 02 2 01) @ JB ?2 BO$ B I $A AL S

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